

Discipline: Computer Science

MANZOOR AHMAD CHACHOO

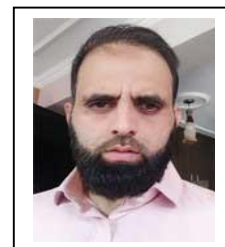
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PROFILE SUMMARY

Over 20 years of diverse teaching experience in the field of Computer Science and Engineering specializing in Artificial Intelligence, Machine Learning, Data Analytics with consistent achievements in providing vision, innovation, support, strategic planning, consultancy and execution to the IT training and development for the University of Kashmir. My Experiences encompasses training Post Graduate Students at Department of Computer Sciences and providing guidance to the students in various aspects of designing, planning, and implementations of major and minor projects in addition to the hardware/software, network consultancy and support to the Department of computer sciences.

RESEARCH INTRESTS:

Artificial Intelligence and Machine Learning, Data Science, Computer Graphics, Natural Language Processing and Spoken Dialogue Systems

Education

| Degree | Discipline | Institution | Country | Year |
|--------|--|---------------------|---------|------|
| Ph.D. | Machine Learning and Dialogue Strategies | Kashmir university | India | 2012 |
| M.S. | Software Systems | BITS Pilani | India | 2007 |
| M.B.A | Information Technology and Marketing | Kashmir university | India | 2008 |
| B.E. | Computer Science and Engineering | Karnatak University | India | 1997 |

(all qualifications awarded by institutions with Medium of Instruction ;English)

Experience:

| Institution | Rank | Department | From- To | Full/Part Time |
|---------------------------|----------------|---------------------------------|-------------------------------|----------------|
| Kashmir University, India | Scientist D | Department of Computer Science | September 2012 -Till Date | Full time |
| Kashmir University, India | Scientist B | Department of Computer Science, | October, 2002 to August, 2012 | Full-time |
| Elnet-3L, India | Faculty Member | | June 2000 to Sep. 2003 | Full-time |

Core Competencies and Strengths:

- Teaching Machine Learning Mathematics, Machine Learning, Artificial Intelligence, C/C++ Programming , Data Structures , Databases , Computer Algorithmic , Data Mining , Data Warehousing , Computer Graphics , Discrete Mathematical Structures in computer Science , Computer Architecture ,Java Programming , web programming , Windows Programming using visual basic , Oracle , System Software , Operation Research to the Master of Computer Applications and M.Tech. students of P.G. Department of Computer Sciences .
- Multi-Domain Expertise E.g. Application development, Database administration, O/S administrations, software applications management and implementations.
- Excellent team player, motivator with a high level of interpersonal and communication skills. Positive attitude and a strong sense of commitment to deliverables.
- Imaginative IT professional with hands-on experience on various platforms and programming environments. Technically resourceful and comfortable with configurations, setups, terminologies and system integrations.
- Possess a high level of personal initiative and energy, Capability to perform under pressure, work overtime and travel across the globe. Dynamic, Innovative, Self-starter and a Good Listener.

Research Projects :

1. Co- Investigator for the research project "Artificial Intelligence research centre" with a total funding of 260 lakhs funded under RUSA by Government of India.
2. Co- Investigator for the research project "Developing an online Trilingual Dictionary of English, Kashmiri and Urdu" with a total funding of 260 lakhs funded under RUSA by Government of India.
3. Co- Investigator for the research project "Development of software tools in Kashmiri language in the area of natural language Processing and machine intelligence" with a

total funding of 87 lakhs funded by Ministry of Information Technology, Government of India

4. Member of the project committee for implementing the advance machine learning lab project with a funding of 55 lakhs by Department of Science and Technology, Government of India at university of Kashmir under FIST program 2016.

Professional Trainings

| Organization | Period | Details of Training |
|---|---|---|
| 1. UGC-HRDC, University of Kashmir. | 28 days (9 th August 2018 to 7 th September 2018) | Special Summer School, Refresher Course in Sciences |
| 2. Linux Learning Centre | 15 days | Linux System, Network and Security Administration, Internals and Programming with Qt. |
| 3. CDAC Noida | 1 month | Oracle 9i DBA Fundamental –I |
| 4. Academic Staff College University of Kashmir | 20 days | Refresher course in Computer Science |
| 5. | | |
| 6. Academic Staff College University of Kashmir | 28 days | General Orientation Course |
| 7. | | |
| 8. CEC, UGC | 20 Days | Multimedia and E-content Development |
| 9. Center of Distance Education , University of Kashmir | 2 Days | Training cum Development of Self Learning Print Materials |
| 10. Ducat Noida | 1 Month | Java and Advance Java |
| 11. South Asian University New Delhi | 1 week | Text Analytics |
| 12. Ludwig Maximilian University of Munich, Germany | 15 days | GF framework |
| 13. National Institute of Technology, Srinagar(J&K) | 1 week | Open Source Technologies through ICT |

Invited Talks :

- Delivered lectures on “**Artificial Intelligence driven Smart farming** “ to the participants of Online Workshop on ICT and AI conducted on 17-05-2020 organized by Sheri-Kashmir University of Agricultural Sciences and Technology.
- Delivered two lectures on “**Machine Learning with Cloud Computing**” and “**Improving Cloud Computing with Artificial Intelligence**”, to the participants of Week-long e-Faculty Development Programme (e-FDP) on Cloud Computing conducted from 20th July 2020 to 25th July 2020 organized by UGC Human Resource Development Center, University of Kashmir.
- Delivered a lectures on “**Artificial Intelligence and its role in higher education**” to the participants of One day workshop on Information and Communication Technology organized by Department of Higher Education, and Government Degree College, Ganderbal.
- Delivered two lectures on “**Artificial Intelligence and Search Techniques**” and “**Neural Networks**”, to the participants of One Day workshop on Artificial Intelligence conducted on 10-06-2019 organized by National Institute of Electronics and Information Technology(NIELIT),
- Delivered a lectures on “**Machine Learning with Text**” to the participants of National Workshop on Machine Learning and Mathematical Modelling organized by Jammu and Kashmir Institute of Mathematical Modelling, Department of Higher Education, Government of J&K.
- Delivered a lectures on “**Sentiment Analysis**” to the participants of One week National Faculty Development Programme on Research trends in Information Technology (RTIT-2018) conducted on 29-09-2018 organized by Jammu and Kashmir Institute of Mathematical Modelling, Islamic university of Science and Technology, Awanitpora, JUK
- To the participants of Refresher courses and Short term courses in Computer Application on the topics, **Green IT , Do and Don't in computer science research, Macro Media dream weaver , Adobe Photoshop for web and Templates for web and hosting.** Organized by UGC Human Resource Development Center, University of Kashmir.
- One week Workshop in Information Technology conducted from 14-06-2016 to 20-06—2016 on the topic **Microsoft Excel and Advanced Features of Ms Excel.** Organized by UGC Human Resource Development Center, University of Kashmir.
- One week Workshop in Information Technology conducted from 14-06-2016 to 20-06—2016 on the topic **E-waste and Green IT, Problems and Solutions,** Organized by UGC Human Resource Development Center, University of Kashmir.
- One week Workshop in Information Technology conducted from 14-06-2016 to 20-06—2016 on the topic **Microsoft Excel and Advanced Features of Ms**

Excel. Organized by UGC Human Resource Development Center, University of Kashmir.

- One week Workshop in Information Technology conducted from 14-06-2016 to 20-06—2016 on the topic **Computer Fundamentals**. Organized by UGC Human Resource Development Center, University of Kashmir.
- 10 Day Teachers Training Programme on the topic, **Role of Computers in Modern Technology**, Organized by Directorate of Life Long Learning, University of Kashmir.
- To the Participants of Three Days Short Term Training Programme on the topic **“Green IT and e-governance in Technical Educations- Governments, Initiatives and Case Studies’**, Organized by National institute of Technical Teachers Training and Research, MHRD , Government of India, Chandigarh at Govt. Polytechnic for Women, Srinagar.
- To the Participants at 12 centers connected through ICT on the topic **“Green IT and e-governance its need in Technical Institution’s ’**, Organized by National institute of Technical Teachers Training and Research, MHRD , Government of India, Chandigarh at Govt. Polytechnic for Women, Srinagar.
- One week UGC sponsored Faculty Development Workshop on the topic **“ICT and e-Learning in Higher Education’** organized by Department of Computer Applications, The Islamia College of Science and Commerce, Srinagar.

Seminars/workshop Organized:

1. Organized a 2 days seminar on “ Curriculum Development of BCA and MCA course”, at University of Kashmir on 3-5 July 2009.
2. Organizing Member of the National Seminar on Open Source Software Systems , Challenges and Opportunities”, 20-22nd June 2011.
3. Organized a 2 Day workshop on “Data Analysis using SPSS” conducted on 20th and 21st February 2014
4. Program Committee Member for a 2 day conference on Software Engineering and Data Sciences, CoSEDS 2018,

Visiting Faculty :

- Department of Pharmaceutical Sciences, University of Kashmir.
- Directorate of Distance Education, University of Kashmir.
- Media Education and Research Center, University of Kashmir.
- North Campus, University of Kashmir.
- South Campus, University of Kashmir.
- Academic Staff College, University of Kashmir.
- Islamic University of Science and Technology, Kashmir.

- Examiner, Paper Setter for University of Kashmir, Baba Ghulam Shah Badshah University, Institute of Technology, University of Kashmir.

Professional Memberships:

- ✓ Fellow of Institute of Electronics and Tele Communication Engineers (FIETE)
- ✓ Member of Computer Society of India (MCSI)
- ✓ Member of Computer Science Teachers Association(USA)
- ✓ Member of International Association of Engineering (IAENG)
- ✓ Member of Expert Team of DOEACC Centre Accreditation (NIELT, New Delhi)
- ✓ Member of Various Committees of the University.
- ✓ Member of Kashmir University Teachers Association (KUTA)

Courses Taught at MCA/M.Tech. Level and Teaching Interests.

- Mathematics for Machine Learning(2018)
- Artificial Intelligence(2017)
- Machine Learning (2018)
- Deep Learning
- Discrete Mathematics, Data Structures(2018)
- Operating System, System Programming
- Computer graphics/OpenGL Programming.
- Design and Analysis of Algorithms
- Object Oriented Analysis and Design
- Data Structures.
- Java Programming
- Matlab Programming
- Python Programming.

Managerial Roles

- **Academic counsellor, M.Tech. Program(2017- till date)** at P.G. Department of Computer Science
- Member of Board of Studies (**Curriculum Development Committee**) for BE Computer Science Course /B.Voc. (Computer Sciences), Institute of Technology, University of Kashmir, Kashmir.
- Member of Board of Studies **Coordinator Course Development** for undergraduate courses within the P.G. Department of Computer Science, University of Kashmir.

- Member of **Curriculum Development Committee** for M.Tech/MCA Courses in Computer Sciences, University of Kashmir.
- Member , **Curriculum Development Committee** for MCA, Msc,\.(IT) and BE Computer Science Courses in Computer Sciences, Islamic University of Science and Technology, Awantipora, Kashmir.
- Member of **Board of Research Studies** , Department of Computer Science, Islamic University of Science and Technology, Awantipora, Kashmir.
- Member of **Department Research Committee** , Department of Computer Science, Islamic University of Science and Technology, Awantipora, Kashmir.
- Member of **Department Research Committee** , P.G. Department of Computer Science, University of Kashmir.
- Member of **Purchase Committee** within the P.G. Department of Computer Science, University of Kashmir.

Books / Book Chapters :

1. Basharat S., Ahmad M. (2018) Inferring Trust from Message Features Using Linear Regression and Support Vector Machines. In: Bhattacharyya P., Sastry H., Marriboyina V., Sharma R. (eds) Smart and Innovative Trends in Next Generation Computing Technologies. NGCT 2017 pp 577-598. Communications in Computer and Information Science, vol 828. Springer, Singapore. ISBN978-981-10-8659-5, DOI https://doi.org/10.1007/978-981-10-8660-1_44
2. Wani M.A., Ahmad Manzoor. (2017) A Fast GPU Based Implementation of Optimal Binary Search Tree Using Dynamic Programming. Communications in Computer and Information Science, vol 750. pages:285-295, Springer, Singapore. DOI: https://doi.org/10.1007/978-981-10-6544-6_26
3. Sheikh I.M., Chahoo M.A. (2020) Advanced Machine Learning for Leukaemia Detection Based on White Blood Cell Segmentation. In: Badica C., Liatsis P., Kharb L., Chahal D. (eds) Information, Communication and Computing Technology. ICICCT 2020. Communications in Computer and Information Science, vol 1170. Springer, Singapore. https://doi.org/10.1007/978-981-15-9671-1_17
4. Web Programming Published by Directorate of Distance Education, University of Kashmir, Srinagar
5. Database Management System and Oracle Published by Directorate of Distance Education, University of Kashmir, Srinagar.
6. Multimedia Systems Published by Directorate of Distance Education, University of Kashmir, Srinagar.

Sessions Chaired:

1. Chaired the Session on 21st June 2018”, in the Data Science session of Conference on Software Engineering (CoSEDS-2018) organized on 20th and 21st June 2018 by Department of Computer Sciences, North Campus, University of Kashmir.
2. Chaired the Session on 4th April 2018”, in the 13th Session of Jammu and Kashmir Science Congress (JKSC-2018) organized from 2nd to 4th April 2018 by University of Kashmir in collaboration with J&K state science, Technology and Innovation Center.
3. Chaired the Session “S5 on 25th March 2017”, in the UGC Sponsored National Seminar on Electronic Devices Systems and Information Security , SEEDS 2017 Organized on 24th and 25th March 2017 by PG Department of Electronics and Instrumentation Technology, University of Kashmir.
4. Chaired the Session “ S4 on 17th March 2015”, in the UGC Sponsored National Seminar on Electronic Devices Systems and Information Security , SEEDS 2015 Organized on 16th and 17th March 2015 by PG Department of Electronics and Instrumentation Technology, University of Kashmir.

Research Experience [Completed/ under Supervision]

| S No. | Name of the M.Phil./Ph.D. Scholar | Ph.D./M. Phil. | Date of Registration | Research Topic | Status |
|-------|-----------------------------------|----------------|----------------------|--|---------------|
| 1 | Shifaa Basharat | Ph.D. | 20-01-2014 | An adaptive framework based on machine learning to infer trust in collaborative Systems. | Awarded |
| 2 | Mohsin Altaf Wani | Ph.D. | 22-10-2014 | Optimizing Combinatorial Optimization algorithms for accelerated parallel processing on HPC (High Performance Computing) system. | Awarded |
| 3 | Mudasir Wani | M.Phil. | 11-03-2017 | Survey of Information Diffusion Models in Social Networks | Awarded |
| 4 | Neeha Ashraf | M.Phil. | 04-08-2015 | Comparative Analysis of Machine Translation Techniques | Awarded |
| 5. | Neeha Ashraf | Ph.D. | 1-10-2017 | Comparative Analysis of Machine Translation Techniques | Under Process |
| 6. | Ishfaq Majeed Sheikh | Ph.D. | 26-12-2018 | Design and Development of Collaborative Low Rank Representative Model for Detection of Leukemia Using Subspace Segmentation | Under Process |

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|-----|-----------------------|-------|------------|--|---------------|
| 7. | Shafia Balla | Ph.D. | 04-08-2017 | Graph Regularized Nonnegative Matrix Factorization Algorithm based approach for Community Detection in Dynamic Networks | Under Process |
| 8. | Arif Ahmed Rather | Ph.D | 26-12-2018 | Development of Robust Framework for Clustering Noisy High Dimensional Gene expression Data for Molecular Subtyping of Cancer | Under Process |
| 9. | Mohmad Azhar | Ph.D | 01-02-2019 | Development of optimized automatic personality development using Machine Learning techniques | Under Process |
| 10. | Huma Farooq | Ph.D. | May - 2020 | Design and development of a framework for depth estimation for images | Under Process |
| 11 | Nahida | Ph.D. | May 2020 | Framework for intention detection using optimized LDA | Under Process |
| 8. | Uzair Bashir | Ph.D. | 2013 | Intrusion Detection System using Machine Learning (Mewar University) | Submitted |
| 9. | Khalid Hussain Zargar | Ph.D. | 2015 | Text Summarization using hidden markov models | Under process |

Publications

1. Shafia Bashir and Manzoor Ahmad ." Exploring Agglomerative Spectral Clustering Technique Employed for Social Network Community Detection, A Survey, Chachoo,2020,7(3) :5056- 5060, International Research Journal of Engineering and Technology (IRJET),IJRET ISSN: 2395-007
2. Shifa Basharat and Manzoor Ahmad ,"LD-SMO Algorithm for Determining Trust in Skewed Social Media Data" published in the journal "Artificial Intelligent Systems and Machine Learning" in February 2018, Volume 10, Number 2, PP 30 – PP 37.
3. Wani, Altaf & Ahmad, Manzoor. (2017). A Fast GPU Based Implementation of Optimal Binary Search Tree Using Dynamic Programming. 285-295. 10.1007/978-981-10-6544-6_26..
4. Shifa Basharat and Manzoor,"A New Evaluation Index for Application of Machine Learning Algorithms to Determine Trust in Skewed Social Media Data" ,Journal of Artificial Intelligence Research and Advances". September-December, Volume 5, Issue 3, 2018.

5. Mohsin Altaf Wani and Manzoor Ahmad, Statically Optimal Binary Search Tree Computation using non-serial Polyadic Dynamic programming on GPU's. International journal of Grid & high performance computing, IGI Global.
6. Mohsin Altaf Wani, Dr Manzoor Ahmad. GPU Based Non-Serial Polyadic Dynamic Programming Template. Recent trends in parallel computing. STM journals. vol4, no:2. DOI:
<http://computers.stmjournals.com/index.php?journal=RTPC&page=issue&op=current>
7. Shafia Bashir and Manzoor Ahmad Chachoo , "Community detection in online social networks: Models and Methods, A Survey" , ,2020,1164-1175 , GEDRAG & ORGANISATIE REVIEW,ISSN : 0921-5077
8. Aamir Ahmad, Manzoor Ahmad, Aspect based opinion mining of online reviews, ,2020,33(3): GEDRAG & ORGANISATIE REVIEW,ISSN : 1875-7237
9. Manzoor Ahmad,"ARTIFICIAL INTELLIGENCE 0.00 Yes 1 BASED LEARNER ENGAGEMENT MODEL BASED ON PROSODIC INFORMATION FOR ONLINE EDUCATION DURING COVID-19 " , 2020,7(12):3924-3929 Journal of Critical reviews,ISSN : 2394-5125
10. Talib Iqbal, Manzoor Ahmad Chachoo," "How Hotels can improve their Conversion Rates by analysing the User Reviews" , International Journal of Scientific Research in Computer Science Applications and Management Studies, ISSN 2319 – 1953, Volume 7, Issue 6 (November 2018)
11. Uzair Bashir and Manzoor Chachoo , " PERFORMANCE EVALUATION OF J48 AND BAYES ALGORITHMS FOR INTRUSION DETECTION SYSTEMS" , International Journal of Network Security & Its Applications (IJNSA) Vol.9, No.4, July 2017DOI: 10.5121/ijnsa.2017.9401
12. Neeha Ashraf and Manzoor Ahmad. Machine Translation Optimization using Hybrid Architectures. International Journal of Applied Information Systems 10(9):19-25, May 2016. ISBN: 973-93-80893-01-1
13. Neeha Ashraf and Manzoor Ahmad. Experimental Framework using Web-based Tools for Evaluation of Machine Translation Techniques, International Journal of Advanced Research in Computer Science and Software Engineering, 6(4):223-238, April 2016. ISSN: 2277 128X
14. Neeha Ashraf and Manzoor Ahmad."Machine Translation Techniques and their Comparative Study". International Journal of Computer Applications 125(7):25-31, September 2015. Published by Foundation of Computer Science (FCS), NY, USA. DOI: 10.5120/ijca2015905955.

15. Khalid Hussain zargar and Dr. Manzoor Ahmad Chachoo ,“Comparative study of text classification methods“Vol.2,Issue 8,International Journal for technological research in engineering ,April 2015
16. Wani, M., & Ahmad, M. (2015). Information Diffusion Modelling and Social Network Parameters: A Survey. International Conference on Advances in Computers, Communication and Electronic Engineering, University of Kashmir, Srinagar, India.
17. Farah Fayaz Quraishi, Summera Ashraf, Dr. Manzoor Ahmad Chachoo,“ Fingerprint Feature Extraction, Identification and Authentication: A Review” International Journal of Recent Research in Mathematics Computer Science and Information Technology, Vol. 2, Issue 2, pp: (156-160), Month: October 2015
18. Wani, M., & Ahmad, M. (2014). Survey of Information Diffusion Over Interaction Networks of Twitter. International Journal of Computer Application, 3(4), International Journal of Computer Application Issue 4, Volume 3 (May - July 2014), 310–313. , ISSN: 2250-1797.
19. Khalid Hussain Zargar, and Dr. Manzoor Ahmad ,Content Based Text Classification Using Morkov Models, International Journal of Scientific Engineering and Research, Volume 3 Issue 6, June 2015 pp 48-55, ISSN (Online): 2347-3878, 2014.
20. Manzoor Ahmad ,” Sentiment Analysis of Feedback Information in Hospitality Industry”, An international journal of advanced computer technology, 3 (4), June – 2014. DOI: <http://dx.doi.org/10.6084/ijact.v3i6.311>
21. Bashir, U., Chachoo, M.: Intrusion detection and prevention system: challenges and opportunities. In: International Conference on Computing for Sustainable Global Development (INDIAcom). IEEE (2014).
22. Manzoor Ahmad ,” A methodical and adaptive framework for Data Warehouse of Salary Management System”,An international journal of advanced computer technology, 3 (4), June – 2014. DOI: <http://dx.doi.org/10.6084/ijact.v3i6.310>
23. Manzoor Ahmad, Jasira Faheem,“ A Review of Ontologies, Ontology Engineering and OWL for Representing Contextual Information”, *International Journal of Advanced Research in Computer Science and Software Engineering*, Volume :3, Issue:5, pp 87-92 May 2013.

24. Manzoor Ahmad, Romana Wani," A COMPARATIVE STUDY OF VARIOUS APPROACHES FOR DIALOGUE ", *International Journal of Advanced Computer Technology*, Volume :II, Issue:4, pp 89-96 April 2013.
25. Bilal Maqbool Beigh, Uzair Bashir and Manzoor Chachoo. " Intrusion Detection and Prevention System: Issues and Challenges." *International Journal of Computer Applications* 76(17):26-30, August 2013. Published by Foundation of Computer Science, New York, USA.doi: 10.5120/13340-0701
26. Manzoor Ahmad Chachoo and S M K Quadri. Article: Adaptive Hybrid POS Cache based Semantic Language Model. *International Journal of Computer Applications* 39(13):7-10, February 2012. Published by Foundation of Computer Science, New York, USA
27. Manzoor Ahmad Chachoo, Dr. S.M.K. Quadri," Semi-Supervised learning of utterances using hidden vector state language model, *Journal of Global Research in Computer Science*, Volume(3) No. 6 ,pp 70-74 June 2012.
28. Manzoor Ahmad,Dr S.M.K. Quadri," Efficient Dialogue Management Of A Spoken Dialogue System By Using Prosody Information Of The User Utterances" *International Journal of Engineering Research and Applications*, Volume(2) Issue 4, pp 1700-1703 July-August 2012.
29. Manzoor Ahmad, Romana Wani," Opinion Mining using the Prosodic Information in the Spoken Utterance's for Efficient Dialogue Management in a Spoken Dialogue System" *International Journal of Engineering Research and Development*, Volume(5) Issue 3, pp 1-6 December 2012.
30. Manzoor Ahmad. Issues in the design of Spoken Dialogue Systems, *International Journal of Advanced Research in Computer Science and Software Engineering*, 1(8):1-6, August 2012. ISSN: 2277 128X
31. Manzoor Ahmad Chachoo,Dr. S.M.K. Quadri, " Morphological analysis of Kashmiri language using open source Extract tool ", *Trends in Information Management* , Vol 7 No. 2 , July-Dec 2011 ISSN : 0973-4163

Conference Papers

1. Adil Kak , Manzoor Ahmad Chachoo, Nazima Mehdi ," Ambiguity resolution in machine translation of kashmiri language ". *Second International Conference in Linguistics of south asian languages*" Aligarh Muslim University , 2007.

2. Manzoor Ahmad Chachoo," Datawarehouse for Salary Management System " Eighth *JK Science Congress* , University of Kashmir 2008
3. Manzoor Ahmad Chachoo,Dr. S.M.K. Quadri, " Morphological analysis of Kashmiri language using open source Extract tool ", *National Seminar on Open source languages* , University of Kashmir , 2010
4. Manzoor Ahmad Chachoo,Dr. S.M.K. Quadri, " Some issues in the development of spoken language interface plugin for open source operating systems", *National Seminar on Open source languages* , University of Kashmir , 2010.
5. Manzoor Ahmad, Romana Wani, Sadaf Afzal," Finite-State Morphological Analysis of Kashmir Language". 7th *International Conference on Advanced Computation and Communication Technologies*", ICACCT 2012, November,03,2012.
6. Manzoor Ahmad Chachoo," Grammatical Framework Approach to morphological analysis in Kashmiri Language " Ninth *JK Science Congress & Regional Congress* , University of Kashmir October 1-3, 2013
7. Manzoor Ahmad Chachoo Machine Translation from Kashmiri to other languages using Grammatical framework " Ninth *JK Science Congress & Regional Congress* , University of Kashmir October 1-3, 2013.
8. Shifa Basharat and Manzoor, "**Guassian Gradient Descent Model for Trust Inference in Imbalanced Data**", International Conference on Intelligent Computing and Control Systems, ICICCS-2018, June 2018, Madurai, ISBN: 978-1-5386-2842-3.
9. Shifa Basharat and Manzoor, "**Machine Learning Insight into Trust Inference for Skewed Social Media Data**", Conference on Software Engineering and Data Sciences, COSEDS-2018, June 2018, University of Kashmir.
10. Mohsin. A. Wani, Dr. Manzoor A. An Optimized Parallel Algorithm for Hamiltonian Cycles Searching. in international conference on electrical, electronics, communication & robotics engineering(03-12-2017). pages 27-31. DOI:
<http://www.digitalxplore.org/proceeding.php?pid=335>
11. Shifa Basharat and Manzoor,"**Inferring Trust from Message Features Using Linear Regression and Support Vector Machines**" International Conference on Next Generation Computing Technologies, October 2017, Springer, Singapore. Online ISBN 978-981-10-8660-1_4.

Software Project Guided:

Guided MCA and M.Tech students for last 18 years in their six semester academic projects.

Some of the Projects Development under my guidance are :-

- 1. Project : Predicting DDos Attacks using Machine Learning Techniques
Technologies: python, ANN (2018).**
- 2. Project : Solving Travelling salesman Problem using Genetic Algorithm
Year (2018).**
- 3. Project : Fakes New Detection using Naïve Bayes
Year (2018).**
- 4. Project : Improvised Recommender System for Tourist based on Tripadvisor reviews (2018)**
- 5. Project : Data Warehouse for Salary Management System.
Technologies: Oracle 9i , J2EE**

Project Description:

The university of Kashmir is an educational organization with around 80 departments and more than 5000 employees , the software is meant to provide decision making capabilities regarding the benefits , employee leave status , salary information , encumbrance , deductions , payments and tax information to the employees as well as the managers at higher levels. The data is extracted from the legacy sources which is in the form of data files and then stored in the relational database management system.

- 6. Project : Interactive Voice Response System
Technologies: Oracle 9i , Microsoft visual basic 6.0, TAPI 3.0 , SAPI**

Project Description:

The University of Kashmir has to around 20,000 post graduate students on the campus and more than 2 lakhs students for the undergraduate courses in the colleges .The software was designed to provide interactive result announcement system using telephone lines for declaring the result to students of university of Kashmir . The main aim of this is to provide a system through which the user can interact with the system, just by making a telephone call. It is used for giving the info for queries like declaring the result to the students. The software used the dtmf tones for the interaction between the system and the server on which the software is running . In the proposed system the info will be given through the phone. Here we use TAPI(telephone application programming interface)and SAPI(speech api) API as the interface layer between the user and device which we are using. The user can easily dial the no and avail the info both in English and Urdu.

**7. Project : Campus Administration Systems:
Technologies: Front End : Visual Basic 6,Database : Oracle 9i.**

Project Description:

This system is divided into the following two modules.

(a) Student Administration Systems:

This module maintains the student information, parent information, course information, payment plan, fees information, student fees history, student attendance, student mark list, etc.

(b) Staff administration Systems:

This module maintains information for both teaching and non-teaching staff, their payroll, attendance etc.

**8. Project : Hotel Management Software with website
Technologies: Oracle 8i, Visual C++ 6.0**

Project Description:

Participated as a Programmer ,main responsibility was database design The software stored the data about the customers in the database from the check in to Check out and finally prepare a complete billing system including the boarding, The major tools used were Visual C++ and Oracle.

**9. Project : 3D Modeller
Technologies: Visual C++ 6.0 with Opengl32.**

Project Description:

Participated as a project leader with the responsibility of designing the modules for 3D Models The Project was done in visual c++ and the graphics programming in opengl32.

**10. Project : Device Driver Development
Technologies: Linux and assembly language prog.**

Personal Details:

Date of Birth : 04-09-1973
Marital status : Married
Fathers Name : Ghulam Mohammed Chachoo
Language Known : English, Hindi, Urdu, Arabic
Nationality : Indian
Children : 3
Permanent Address : c/o Hotel The Grand Mamta
Khonakhan Dalgate

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Issued Date : 13 - 04 - 2018
Valid till : 12 - 04 - 2028
Blood Group : AB+
Height/Weight : 172 cm/78 kg

References:

| Name | Designation | Contact no | email |
|---------------------|--|--------------------|-----------------------|
| Prof S.M.K. Quadri | Head,(Computer Science) Jamia Milia Islamia University | +91- 9419000383 | quadrismk@hotmail.com |
| Prof Mohd Arif Wani | Dean Engineering, Institute of Engineering University of Kashmir | +91- 8803325398 | awani@uok.edu.in |

I hereby declare that all the above information is true to the best of my knowledge.

Date: 12-08-2020

Manzoor Ahmad Chachoo