

Curriculum vitae

Tawseef Ayoub Shaikh

B-Tech (Computer Engineering), M-Tech (Computer Engineering),
GATE, JKSLET, UGC NET
Kadder Kulgam, Jammu & Kashmir.
Postal Code: 192232



Present Address:

Department of Computer Science and Engineering Baba Ghulam
Shah Badshah University Rajouri, Rajouri (J&K) – 185234, INDIA

Phone No: +91- 9622513326/6005424808

Email: tawseef37@gmail.com, tawseef@bgsbu.ac.in, shaikhtawseef@yahoo.com

OBJECTIVE

To research, design, and create Artificial Intelligent software products in industry. I am interested in Machine Learning, Big Data Analytics, Pattern Recognition, Medical Informatics & love to play with the data to draw valuable insights particularly in the field of Biomedical and Healthcare analytics. Also interested in techniques of Soft Computing particularly how search engines, advertising platforms can actively learn from interaction using ML and DM methods and Soft Computing.

ACADEMIC PROFILE

- 1. Doctor of Philosophy (PhD):** Pursuing PhD in Computer Engineering Department, Zakir Hussain College of Engineering & Technology (ZHCET), Aligarh Muslim University, Aligarh-202002 from 2015 onwards.
2. Privilege of being **Visvesvaraya Phd** fellow from MeitY (Ministry of Electronics and Information Technology, Media Lab Asia, GoI).
- 3. Master of Technology (M. Tech) in Computer Science & Engineering.....79.6%**
Guru Nanak Dev University (GNDU) Amritsar, Punjab India (July 2012 – July 2014).

❖ **Dissertation Title:** Evaluating Data Mining Algorithms in Medical Decision Support Systems (MDSS).
- 4. Bachelor of Technology (B. Tech) in Computer Science & Engineering.....70.6%**
Islamic University of Science & Technology (IUST) Awantipora, Pulwama (July 2007 – May 2011).

❖ **Project Title:** E-Governance IUST

5. **Class-XII.....79.6%**

JKBOSE (2006)

6. **Class-X.....79.2%**

JKBOSE (2004)

ACHIEVEMENTS

1. GATE qualified in 2015 conducted by IIT Kanpur with 93.07 percentile.
2. JKsLET (Jammu & Kashmir State Level Eligibility Test, 2016) qualified, conducted by University of Kashmir.
3. UGC NET 2018 qualified, conducted by CBSE (Central Board of Secondary Education).
4. Selected as Assistant Professor by NPIU, a Unit of MHRD, Govt. of India under TEQIP-III (October 2018).
5. Received Research Fellowship from MeitY (Ministry of Electronics and Information Technology, Media Lab Asia), Govt. of India (October 2015 - September 2018).

ACADEMIC PROJECTS

1. E- Governance IUST (2011).

EXPERIENCE

1. Lecturer in Super Computer College (NIELIT), Yaripora Kulgam from July 2011 – July 2012.

SEMINARS/CONFERENCES ATTENDED

1. Attended 4th International Conference on Computing for Sustainable Development, 11th IndiaCOM, 3-4 March, 2017 (**IEEE**) at BVICAM, New Delhi, India.
2. Attended **Springer LNNS Series-2nd** International Conference on Communication, Computing and Networking, organized by Department of Computer Science & Engineering, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh, India on 29-30, 2018.
3. Attended 4th National Conference on Innovation in Computing and Communication Technology (**NCICCT-2016**), held at Kongunadu College of Engineering and Technology, Tiruchirappalli, Tamil Nadu on 25th March 2016.

4. Attended 13th Session of Jammu & Kashmir Science Congress (**JKSC-18**), organized by University of Kashmir in collaboration with J&K State Science Technology & Innovation Council, Govt. of J&K, held at University of Kashmir, on 02-04 April 2018.
5. Attended 1st Conference on Software Engineering and Data Sciences (**CoSEDS-2018**), organized Department of Computer Science, North Campus, University of Kashmir, held at University of Kashmir, on 20-21 June 2018.
6. Attended International Conference on Bioinformatics and Systems Biology (**BSB-2018**), hosted by **IEEE Computer Society** in collaboration with the **Computer Society of India (CSI)**, and to at IIIT Allahabad, India on October 26-28, 2018.

JOURNAL PUBLICATIONS

1. An Intelligent Distributed K-means Algorithm over Cloudera /Hadoop in International Journal of Education and Management Engineering (IJEME), Volume-4, pp: 61-70, 2018, MECS PRESS (Available online at <http://www.mecs-press.net/ijeme>).
2. Effect of WEKA Filters on the Performance of the Navie Bayes Data Mining Algorithm on Arrhythmia and Parkinson's Datasets (Best Paper Award), International Journal of Computer Sciences and Engineering (IJCSE), Volume-2, Issue -5, E-ISSN: 2347-2693).
3. Predictive Data Mining for Medical Diagnosis: An Overview of Segment and Arrhythmia Diseases, International Journal of Emerging Trends in Engineering and Development (IJETED), Issue 4, Vol.3, May 2014, ISSN 2249-6149.
4. A Prototype of Parkinson's and Primary Tumor Diseases Prediction Using Data Mining Techniques, International Journal of Engineering Science Invention (IJESI), Volume 3, Issue 4, pp:23- 28, April 2014, ISSN (Online): 2319 – 6734.
5. Methodology of Adaptation of Data Mining Methods (ANN and Decision Trees) for Nervous System and Arrhythmia Diseases, International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 4, Issue 4, April 2014 ISSN: 2277128X.
6. Big Data: The Futuristic Promising Savoir, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, (IJSRCSEIT), Volume 3, Issue 1, pp: 516-521, 2018, ISSN: 2456-3307.

CONFERENCE PUBLICATIONS/PRESENTED

1. Tawseef Ayoub Shaikh and Rashid Ali “**Quantum Computing in Big Data Analytics: A Survey**”, got published in the 16th IEEE International Conference on Computer and Information Technology held in Fiji from 6 to 10 December 2016 and is available at IEEE Xplore (<http://ieeexplore.ieee.org/document/7876324/>).

2. Tawseef Ayoub Shaikh and Rashid Ali “**Big Data for Better Indian Healthcare**”, presented at 4th IEEE International Conference on Computing for Sustainable Development, 11th IndiaCOM, 3- 4 March, 2017.
3. Tawseef Ayoub Shaikh and Rashid Ali “**A Dynamic Approach to Medical Data for Smart Indian Healthcare**”, presented at and is available at IEEE Xplore (<http://ieeexplore.ieee.org/document/8070828/>).
4. Tawseef Ayoub Shaikh and Rashid Ali, “**Applying Machine Learning Algorithms for Early Diagnosis and Prediction of Breast Cancer Risk**”, presented and published in Springer LNNS Series-2nd International Conference on Communication, Computing and Networking, organized by Department of Computer Science & Engineering, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh, India from 29-30, 2018.
5. Tawseef Ayoub Shaikh and Rashid Ali, “**Combating Breast Cancer by an Intelligent Ensemble Classifier Approach**”, in International Conference on Bioinformatics and Systems Biology, (BSB-2018) , hosted by IEEE Computer Society in collaboration with the Computer Society of India (CSI), held at IIT Allahabad, India from October 26-28, 2018.
6. Tawseef Ayoub Shaikh, Rashid Ali and Adil Rashid, “**Soft Computing in Data Mining: A Tool for Computational Web Intelligence (CWI)**” presented and published in proceedings of 4th National Conference on Innovation in Computing and Communication Technology-2016, held at Kongunadu College of Engineering and Technology, Tiruchirappalli, Tamil Nadu on 25th March 2016, (*International Journal of Computer Applications* (0975 – 8887)).
7. Tawseef Ayoub Shaikh and Rashid Ali “**An Automated Diagnosing System for Human Brain Disorders**”, presented and published in proceedings of 13th Session of Jammu & Kashmir Science Congress (JKSC-18), organized by University of Kashmir in collaboration with J&K State Science Technology & Innovation Council , Govt. of J&K, held at University of Kashmir, from 02-04 April 2018.
8. Tawseef Ayoub Shaikh and Rashid Ali “**Automatic Breast Cancer Diagnosis using Naïve Bayes Classifier**”, presented in proceedings of CoSEDS (Conference on Software Engineering and Data Sciences), organized Department of Computer Science, North Campus, University of Kashmir, held at University of Kashmir, from 20-21 June 2018.
9. Tawseef Ayoub Shaikh and Rashid Ali, “**Machine Learning: Messiah of 21st Century**,” CSI Communications, ISSN 0970-647X, Volume No. 41, Issue No. 8, pp. 6-9, November 2017.

WORKSHOPS ATTENDED

1. Attended One Week National Workshop **GIAN (Global Initiative of Academic Network) on Graph Mining Analysis**, sponsored by **MHRD (Ministry of Human Recourse & Development, GOI India)**, Organized by Department of Computer Science Jamia Millia Islamia, and New Delhi from 17 to 23 December 2015.
2. Attended One week Hands on Tutorial in National Workshop **GIAN (Global Initiative of Academic Network) on Graph Mining Analysis using R**, sponsored by **MHRD (Ministry of Human Recourse & Development, GOI India)**, Organized By Department of Computer Science Jamia Millia Islamia, New Delhi from 17 to 23 December 2015.
3. Attended One Week National Workshop on **Machine Learning and Data Analytics**, sponsored by **TEQIP-II**, Organized by Government Woman Engineering College Ajmer (GWECA), Rajasthan, from 14 to 18 January 2016.
4. Attended One Week Hands on Tutorial on **HIVE, PIG, HADOOP, R, SPARK and RATTELE on Machine Learning and Data Analytics**, sponsored by **TEQIP-II**, Organized by Government Woman Engineering College Ajmer (GWECA)-Rajasthan, from 14 to 18 January 2016.
5. Attended One Week National Level Workshop on **Big Data and Soft Computing: Techniques and Applications**, sponsored by **TEQIP-II**, Organized by Department of Computer Engineering, Zakir Hussain Collage of Engineering (ZHCET), Aligarh Muslim University (AMU), Aligarh.
6. Attended One day **International Workshop on Big Data Analytics (WBDA 2016)**, organized by **School of Computer and System Sciences**, Jawaharlal Nehru University, New Delhi on 30 March 2016.
7. Attended One day workshop on **Introduction to Data Science using Statistica**, Organized by Department of Computer Engineering, Zakir Hussain Collage of Engineering (ZHCET), Aligarh Muslim University (AMU), Aligarh, on March 6, 2017.
8. Attended One day workshop on **Challenges and Opportunities in Data Analytics and its Applications**, held on Department of Computer Science & Engineering, School of Engineering Sciences and Technology, Sponsored by SERB-DST, Government of India, Jamia Hamdard New Delhi on 16th October 2017.
9. Attended three days' workshop on **Visvesvaraya PhD Scheme for Electronics & IT/ITES**, held at Andra University, Vishakatpatnam from 16-18 November, 2017.
10. Attended One day Author workshop by **SPRINGER NATURE**, held at Aligarh Muslim University on 3 November, 2016.
11. Attended One Week National Level Workshop on **Research Methodology**, held at Department of Physical Education, Aligarh Muslim University, from 22 to 28 May, 2016.

12. Attended One Week **GIAN (Global Initiative of Academic Network)** Workshop on **Biomedical Signal Acquisition, Processing and Analysis**, Organized by Department of Electrical Engineering Indian Institute of Technology (IIT) Roorkee and sponsored **MHRD (Ministry of Human Recourse & Development, GOI India)**, from 18-23 December 2017.
13. Attended One Week **GIAN (Global Initiative of Academic Network)** Workshop on **Computer Security from the Data Science Perspective**, Organized by Department of Computer Science and Engineering Indian Institute of Technology (IIT) Ropar, Punjab and sponsored **MHRD (Ministry of Human Recourse & Development, GOI India)**, from 25-30 December 2017.
14. Attended One day workshop on **MENDELEY** by **Elsevier**, held at Prof. M.N Farooqi Computer Centre, Aligarh Muslim University on 28 January, 2018.
15. Attended One Week Workshop on **Deep Learning**, sponsored by **TEQIP-III**, Organized by Department of Computer Engineering, Zakir Hussain Collage of Engineering (ZHCET), Aligarh Muslim University (AMU), Aligarh, from 5 to 9 March 2018.
16. Attended One day International workshop on **Managing Research with Effective Outcome**, sponsored by **TEQIP-III**, Organized by Department of Computer Engineering, Zakir Hussain Collage of Engineering (ZHCET), Aligarh Muslim University (AMU), Aligarh, on 6 August 2018.

EXPERTS TALKS

1. Delivered invited guest lecture on **WEKA: A Machine learning toolkit** in one week workshop on **Machine Learning: Tools & Techniques**, jointly organized by CSE/IT Deptt, BGSBU in collaboration with ZHCET, AMU, sponsored by TEQIP-III, from 31-Oct to 04-Nov-2018.
2. Delivered invited guest lecture on **Supervised Learning** and practical hands on tutorial using **WEKA**, in one week workshop on **Machine Learning: Tools & Techniques**, jointly organized by CSE/IT Deptt, BGSBU in collaboration with ZHCET, AMU, sponsored by TEQIP-III, from 31-Oct to 04-Nov-2018.
3. Delivered invited guest lecture on **Unsupervised Learning** and practical hands on tutorial using **WEKA**, in one week workshop on **Machine Learning: Tools & Techniques**, jointly organized by CSE/IT Deptt, BGSBU in collaboration with ZHCET, AMU, sponsored by TEQIP-III, from 31-Oct to 04-Nov-2018.

WORKSHOP ORGANIZER

1. Organized one week workshop on **Machine Learning: Tools & Techniques**, jointly organized by CSE/IT Deptt, BGSBU in collaboration with ZHCET, AMU, sponsored by TEQIP-III, from 31-Oct to 04-Nov-2018.

CITATIONS

1. More than 10 citations on Google Scholar with h-index of 2.

TECHNICAL – SKILLS

1. Programming Languages: Data Science languages R, Python, MATLAB, Octave and C/C++, Asp.Net with C#, PHP, HTML.
2. Operating Systems: Very comfortable in both window and Linux environments.
3. Tools & Packages: LATEX, Beamer, OMNeT++, MS Office, Dreamweaver.

CERTIFICATES

1. Three months Certified Course in **Oracle and PL/SQL at NILEIT (Formally DOEACC), University of Jammu.**
2. Forty Days Certified Course in **CCNA at NILEIT (Formally DOEACC), University of Jammu.**
3. One Week Certified Course in **VLSI Design by Resolute Consultancy.**
4. One Week Volunteer Certificate in National Level Workshop on **Big Data and Soft Computing: Techniques and Applications, sponsored by TEQIP-II**, Organized by Department of Computer Aligarh.
5. Qualified certified exam **GIAN (Global Initiative of Academic Network) on Graph Mining Analysis, sponsored by MHRD (Ministry of Human Recourse & Development, GOI India)**, Organized by Department of Computer Science Jamia Millia Islamia, and New Delhi from 17 to 23 December 2015.
6. Presentation certificate for paper **“Soft Computing in Data Mining: A Tool for Computational Web Intelligence (CWI)”** presented at 4th National Conference on Innovation in Computing and Communication Technology-2016, held at Kongunadu College of Engineering and Technology, Tiruchirappalli, Tamil Nadu on 25th March 2016.
7. Presentation certificate for paper **“Big Data for Better Indian Healthcare”**, presented at 4th International Conference on Computing for Sustainable Development, 11th IndiaCOM, 3-4 March, 2017.
8. Attended One day **Workshop** on 10th April 2017 on **“Career Orientation Program for Research Scholars”**, organized by Deptt of Chemical Engineering, AMU Aligarh.
9. Attended One day workshop on **Introduction to Data Science using Statistica**, Organized by Department of Computer Engineering, Zakir Hussain Collage of Engineering (ZHCET), Aligarh Muslim University (AMU), Aligarh, on March 6, 2017.
10. One Day Volunteer Certificate on **Introduction to Data Science using Statistica**, Organized by Department of Computer Engineering, Zakir Hussain Collage of Engineering (ZHCET), Aligarh Muslim University (AMU), Aligarh, on March 6, 2017.

11. Attended two days National Research Scholar's Conclave on **Innovation and Recent Trends in Science and Technology (IRTST -2016)**, National Institute of Technology Srinagar, J&K, April 2-3, 2016.

COURSES TAUGHT

1. Computer Organization & Architecture (COA) to 5th Sem. COET, BGSBU Rajouri.
2. Principles of Programming Languages (PPL) to 5th Sem. COET, BGSBU Rajouri.

PROFESSIONAL MEMBERSHIP

1. Member of International Computer Science & Engineering Society (ICSES, id 302).
2. Member of Indian Journal of Science & Technology (IJST).
3. Member of International Association of Engineers (IAENG).
4. The World Congress on Engineering WCE 2018 (Member No: 191644).
5. World academy of science engineering and technology.
6. Student Member of IEEE
7. Membership of Big Data Analyst
8. BigML member (bigml.com)
9. Professional membership on LinkedIn
10. Student Membership of Nature Science Direct.
11. Member of Data Science Journal
12. Member of BioMed Central (<https://www.biomedcentral.com>)
13. Member of Cosmic Journals Group

REVIEWER

1. Reviewer of *Journal of Big Data (Springer)*
2. Guest Editor of Artificial Intelligence and Machine Learning, ICT Express Open Access Journal Elsevier.

LANGUAGES KNOWN

English, Hindi, Urdu, Kashmiri.

PERSONAL DETAILS

Date of Birth	:	10th October, 1988
Nationality	:	Indian
Gender	:	Male
Marital Status	:	Single
Father's name	:	Mohd Ayoub Shaikh
Permanent address	:	Kadder Kulgam, Kashmir

REFERENCES

- **Dr. Rashid Ali**
Associate Professor, Department of Computer Engineering, Aligarh Muslim University, Aligarh
Email: rashidaliamu@rediffmail.com, Phone: +91-941141942.
- **Dr. M. Tanveer**
Assistant Professor, Discipline of Mathematics, Indian Institute of Technology Indore, MP
Email: mtanveer@iiti.ac.in, Phone: - +91 732 4306 599.
- **Dr. Parminder Kaur**
Associate Professor, Computer Engineering Deptt, Guru Nanak Dev University (GNDU), Amritsar
Email: parminder.dcse@gndu.ac.in, Phone: +91-9914010452.
- **Dr. Shabir Ahmad Sofi**
Assistant Professor, Information Technology Deptt, NIT Srinager, Jammu & Kashmir
Email: shabir@nitsri.net, Phone: +91- 9419009971.

DECLARATION

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

Date: / /

Place:

(Tawseef)
Assistant Professor
Department of CSE
BGSB Rajouri