



Dr. Ahmad Raza Khan

Scaling heights of success by utilizing a wealth of **academic knowledge and professional skills** in a dynamic role as an **Associate Professor** that encourages personal development and contributes to the advancement of the **educational landscape**, especially in **Computer Engineering fields**.



20/11/1982



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Education

- 2013: Ph.D. in Computer Engineering from JJTU, Rajasthan
- 2008: Master's in computer engineering from P.I.C.T., Pune University
- 2005: B.E. Computer Engineering from M.E.S.C.O.E., Pune University
- 2002: Diploma in Computer Engineering from A.I.S.S.M.S, M.S.B.T.E.

Core Competencies

- Student-Centered Learning
- Educational Assessment
- Faculty Development
- Interdisciplinary Collaboration
- Research and Development
- Community Engagement
- Advanced Curriculum Development
- Educational Technology Integration
- Student Assessment and Evaluation Techniques
- Instructional Design and Delivery
- Academic Writing and Publication
- Classroom Management Strategies
- Data Analysis for Educational Outcomes
- E-Learning Platforms and Tools
- Computer Engineering

Profile Summary

- An **accomplishment-driven professional** with **19 years of experience** in **academic settings**, concentrating on **Computer Engineering education** while **prioritizing student involvement and improving educational results**.
- Excellence in **providing exceptional instruction** and **guiding students**.
- Cultivated a diverse array of skills in **curriculum development**, **teaching strategies**, and **student evaluation**, enhancing a **vibrant educational atmosphere** that **supports high academic standards**.
- Earned accolades for **introducing creative teaching methods** that **greatly enhanced student achievement & involvement**, leading to **marked rise in overall satisfaction ratings for courses**.
- Exhibit exceptional skills by **mentoring students and partnering with faculty to improve educational initiatives and programs** within the college.
- Proficient in **research techniques & academic writing**, actively **participating in publication of scholarly articles & presenting findings at both national & international conferences**.
- Competent in **spearheading recent initiatives** focused on **incorporating technology** into classroom settings, achieving boost in **student engagement & interaction during lectures**.
- Strong command of advanced **curriculum development and instructional design**, effectively utilizing **educational technology** to create engaging learning experiences that cater to **diverse student needs and learning styles**.
- Contributed to the academic community by **publishing research papers in peer-reviewed journals**, showcasing a commitment to advancing knowledge in **Computer Engineering education** and **enhancing the institution's scholarly reputation**.
- Engaged in **continuous professional development**, attending workshops and conferences to stay updated on the **latest educational trends**, which has enriched the **learning environment and improved instructional practices**.
- A **prolific leader** with strong organizational, interpersonal, management, problem-solving and relationship building skills; possess **strong business acumen** and the **capacity to convert visuals into reality**.

Professional credentials, certifications, or licensing

- AWS Certified Solutions Architect Associate – AWS – 2024
- CEH – Certified Ethical Hacker – EC-Council – 2022
- CHFI- Computer Hacking Forensic Investigator – EC-Council – 2022
- VMWare vSphere 5.5 Certified – VMWare – 2015
- Member IEEE (Member# 92843364) – Presently
- ACM (Member #: 3389417) – Presently

Professional development activities

- AWS Academy Educator -AWS -Presently.
- Data Science Orientation – IBM- 2022.
- AWS Academy Graduate - AWS Academy Cloud Foundations – 2022.

Work Experience

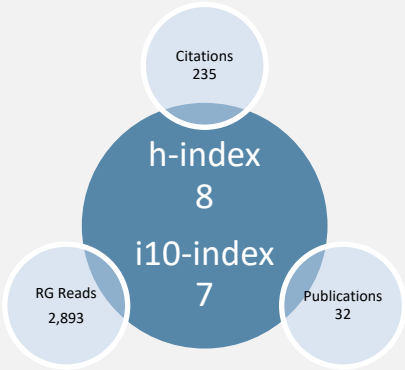
Since **Oct'13** **Majmaah University, Almajmaah, Saudi Arabia as an Assistant Professor**

Dec'05- Sept'13 **M.E.S College of Engineering, Pune, India as Assistant Professor**

Key Result Areas:

- Facilitating engaging lectures and interactive sessions in various Computer Engineering subjects, ensuring that students grasp complex concepts through innovative teaching methods and real-world applications.
- Designing & developing comprehensive course materials, including syllabi, lesson plans, and assessment tools, tailored to meet the diverse learning needs of students.
- Mentoring & advising students on academic and career-related matters, fostering a supportive environment that encourages personal and professional growth.
- Evaluating student performance through various assessment methods, providing constructive feedback to support their academic journey and success.

Metrics



Languages



- Collaborating with faculty members to enhance the curriculum & implement best practices in teaching and learning, contributing to the overall academic mission of the institution.
- Conducting research in Computer Engineering education, focusing on improving pedagogical approaches and student learning outcomes, while actively participating in academic conferences and workshops.
- Engaging in continuous professional development to stay updated with the latest trends & advancements in Computer Engineering education & instructional methodologies.
- Organizing and participating in departmental meetings and committees, contributing to strategic planning and decision-making processes that impact the academic community.
- Conducting workshops on innovative teaching practices for faculty, fostering a culture of collaboration and continuous improvement within the department.

Highlights:

- Successfully implemented a new teaching framework that led to increase in student engagement and improved academic performance across multiple courses.
- Recognized for excellence in teaching with the "Best Faculty Award", reflecting commitment to student success and educational quality.
- Spearheaded a collaborative research project that resulted in the publication of papers in reputed journals, enhancing the institution's academic reputation.
- Developed and launched an innovative online learning module that attracted over students, significantly expanding the reach of the Computer Engineering program.
- Initiated community outreach programs that connected students with local industries, providing practical exposure and enhancing their employability skills.

Seminar & Symposia Conducted & Attended

- Workshop conducted on ABET Accreditation, Majmmah University, Saudi Arabia, 2024
- Workshop conducted on FutureX platform utilization, Majmmah University, Saudi Arabia, 2024
- Seminar conducted on Cybersecurity, Majmmah University, Saudi Arabia, 2023
- Symposia conducted on Students' Academic Performance Prediction Using Machine Learning, Majmmah University, Saudi Arabia, 2023
- Outcome-Based Education: Essential Features and Major Implications, Majmmah University, Saudi Arabia, 2023
- Workshop conducted on MKCL Quiz Conducting Software, Majmmah University, Saudi Arabia, 2023
- Seminar attended on Research Scope in Bioinformatics, Majmmah University, Saudi Arabia, 2023
- Workshop attended on R for Machine Learning and Data analytics, Majmmah University, Saudi Arabia, 2023
- Workshop conducted on FutureX Platform for Lifelong Learning, Majmmah University, Saudi Arabia, 2023
- Seminar given on AWS Academy, Majmmah University, Saudi Arabia, 2023
- Seminar conducted on Migration of Courses in Blackboard, , Majmmah University, Saudi Arabia, 2023
- Workshop on NCAAA Accreditation, Majmmah University, Saudi Arabia, 2023,
- Seminar attended on Writing NCAAA Course Specification, Majmmah University, Saudi Arabia, 2022
- Seminar attended on Covid19 Pandemic Prediction Using Machine Learning, Majmmah University, Saudi Arabia, 2022
- Seminar attended on Graduation Project Selection, Majmmah University, Saudi Arabia, 2022
- Wrokshop conducted on Amazon Web Services, Majmmah University, Saudi Arabia, 2022
- Seminar attended on Deep Learning Applications, Majmmah University, Saudi Arabia, 2022
- Seminar attended on Block Chain Technomology, Majmmah University, Saudi Arabia, 2022
- Workshop attended on Information Security Using Multiple File Format, Majmmah University, Saudi Arabia, 2021
- Seminar attended on Security & Privacy in Healthcare 4.0, Majmmah University, Saudi Arabia, 2021
- Workshop conducted on ABET SO Remapping, Majmmah University, Saudi Arabia, 2021
- Workshop conducted on Effective Class delivery, Majmmah University, Saudi Arabia, 2021
- Workshop conducted on Blackboard tools, Majmmah University, Saudi Arabia, 2021

IT Skills

- OS: Mac OS X 10.8, Windows7/Windows NT/2000/XP/98.
● ● ● ● ●
- Oracle Products: PL/SQL.
● ● ● ● ●
- Microsoft Products: ASP.NET, C#.NET, VB (Visual Basic) 6.0, VC++ (Visual C++)
● ● ● ● ●
- Languages: C, C++, HTML, Jscript, jQuery
● ● ● ● ●
- System Programming
● ● ● ● ●
- C Programming
● ● ● ● ●

Software Courses

- AWS Solutions Architect Associate
- APTECH: 'C' Programming
- APTECH: VB (Visual Basic) 6.0.
- DIGITAL GLOBAL: Software Testing.

Soft Skills

- Analytical
- Multitasker
- Problem Solver
- Communicator
- Accuracy

- Seminar conducted on Improving utilization of tools in blackboard, a bridge to productivity, Majmmah University, Saudi Arabia, 2021
- Seminar Conducted on Blackboard Ally Tool, Majmmah University, Saudi Arabia, 2021
- Workshop attende on How to fill CAR(Course Assessment Report) excel sheet? How to prepare NCAAA Course specification and Report, Majmmah University, Saudi Arabia, 2020
- Seminar attended on NCAAA and ABET SO Mapping and PLO Assessment Methods, Majmmah University, Saudi Arabia, 2020
- Seminar attended on Saudi Arabia Qualifications Framework(SAQF) Descriptors Mapping to NCAAA Learning Outcomes, Majmmah University, Saudi Arabia, 2020
- Workshop conducted on How to Enhance Blackboard Tool Adoption, Majmmah University, Saudi Arabia, 2020
- Workshop conducted on VMWare Virtualization and Cloud Computing resources at CCIS awareness and HandsOn workshop, Majmmah University, Saudi Arabia, 2020
- Seminar Conducted on Training on Blackboard and Zoom, Majmmah University, Saudi Arabia, 2020

Contributions to the discipline

- Member of Lab Development and Maintenance Unit, Majmaah University 2018 – Presently
- Reviewer at An International Journal Multimedia Tools and Applications 2018 – Presently
- Member of Department Council 2013 – Presently, Majmaah University
- Editorial and Advisory Board member for IJNGCA Journal 2012 – Presently
- In charge of research and development activity at Innovation Center (Image Processing) 2015 – Presently, Majmaah University
- ABET Accreditation Committee Member, 2013-- Presently, Majmaah University
- NCAAA Accreditation Committee Member, 2013-- Presently, Majmaah University
- Member of College Council 2013-- Presently, Majmaah University
- Seminars conducted on introduction to cloud computing for faculty members & students- 2023.
- Member of Students Excellence Unit 2019
- Member of Examination committee 2015, Majmaah University
- Best Academic Researcher 2012 by ASDF and Gov. India
- Examination head at university of Pune, 2008-2010
- Consultant to Deanship of E-Learning, Blackboard System Administrator, ROI Measurement and Analytical Report Generation based on 5 KPI's for blackboard, Designing, Deploying and Maintaining 50+ E-Classroom Infrastructures.
- Reviewer at International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT)

Community Services to the discipline

- Conducted a Workshop on Introduction to Cloud Computing for Majmaah Community at large, 2023
- Participated in cybersecurity event conducted by majmaah university at Majmaah Mall, Saudi Arabia, 2021
- Conducted Seminar on how to use modern tools and techniques to enhance teaching at Indian international school Majmaah, Saudi Arabia 2020

Awards received

- Best academic research of the year from Majmaah University, College of Computer and Information Sciences, 2024
- Best Member Contribution for NCAAA Accreditation, Majmaah University, College of Computer and Information Sciences, 2024
- Best Member Contribution for NCAAA Accreditation, Majmaah University, College of Computer and Information Sciences, 2019
- Best Academic Research of the year, ASDF, India, 2010

ANNEXURE – Journal Papers

| Sr. No | National / International | Paper Title | Journal Name | Indexing (Web of Science / Scopus) | Ranking | Date |
|--------|--------------------------|--|--|------------------------------------|----------------------------|--------------------------------|
| 1 | International | Early detection of mental health disorders using machine learning models using behavioral and voice data analysis. | Scientific Reports | Web of Science and Scopus | Q1(Impact Factor – 4.3) | 13 th May 2025 |
| 2 | International | Capsule DenseNet++: Enhanced autism detection framework with deep learning and reinforcement learning-based lifestyle recommendation | Computers in Biology and Medicine | Web of Science and Scopus | Q1 (Impact Factor – 7.0) | 21 st March 2025 |
| 3 | International | A Hybrid Brain Tumor Classification Using FL with FedAvg and FedProx for Privacy and Robustness across Heterogeneous Data Sources | IEEE Access | Web of Science and Scopus | Q2 (Impact Factor – 3.4) | 10 th March 2025 |
| 4 | International | Early attention-deficit/hyperactivity disorder (ADHD) with NeuroDCT-ICA and rhinofish optimization (RFO) algorithm based optimized ADHD-AttentionNet | Scientific Reports | Web of Science and Scopus | Q1(Impact Factor – 4.3) | 26 th February 2025 |
| 5 | International | MULTIMODAL BIOMETRIC ENROLMENT AND AUTHENTICATION SYSTEM (MBEAS) WITH MODIFIED SCORE-LEVEL FUSION AND TRIBLENDNN-BASED TEMPLATE MATCHING | Advances and Applications in Discrete Mathematics | Web of Science and Scopus | ESCI (Impact Factor – 0.3) | 30 th November 2024 |
| 6 | International | PBViT: A Patch-Based Vision Transformer for Enhanced Brain Tumor Detection | IEEE Access | Web of Science and Scopus | Q2 (Impact Factor – 3.4) | 23 rd January 2025 |
| 7 | International | FinSafeNet: securing digital transactions using optimized deep learning and multi-kernel PCA (MKPCA) with Nyström approximation | Scientific Reports | Web of Science and Scopus | Q1(Impact Factor – 4.3) | 06 th November 2024 |
| 8 | International | Optimizing cloud resource utilization in the digital economy: An integrated Pythagorean fuzzy-based decision-making approach | Advanced Engineering Informatics | Web of Science and Scopus | Q1(Impact Factor – 8.0) | 1st October 202 |
| 9 | International | Dynamic Load Balancing in Cloud Computing: Optimized RL-Based Clustering with Multi-Objective Optimized Task Scheduling | Processes | Web of Science and Scopus | Q1 (Impact Factor – 2.8) | 4 th March 2024 |
| 10 | International | Zero Trust-Based Blockchain Based IoT Security with Consensus and Access Control Framework | Journal of Intelligent Systems and Internet of Things | Scopus | Q4 | 26 th February 2024 |
| 11 | International | Privacy-Enhanced Heart Disease Prediction in Cloud-Based Healthcare Systems: A Deep Learning Approach with Blockchain-Based Transmission | Fusion: Practice and Applications | Scopus | Q4 | 19 th February 2024 |
| 12 | International | Consumer Personalized Gesture Recognition in UAV-Based Industry 5.0 Applications | IEEE Transactions on Consumer Electronics | Web of Science and Scopus | Q1 (Impact Factor – 4.3) | 24 th August 2023 |
| 13 | International | Federated Fusion of Magnified Histopathological Images for Breast Tumor Classification in the Internet of Medical Things | IEEE Journal of Biomedical and Health Informatics | Web of Science and Scopus | Q2 (Impact Factor – 6.7) | 14 th March 2023 |
| 14 | International | Using virtualized multimedia tools for video conferencing solution integrated in teaching and learning environment | Journal of Discrete Mathematical Sciences and Cryptography | Web of Science and Scopus | Q2 (Impact Factor – 1.2) | 14 th June 2022 |
| 15 | International | Secure PAAS environment over hybrid cloud using load-balanced Docker containers | International Journal of ADVANCED AND APPLIED SCIENCES | Web of Science and Scopus | Q4 (Impact Factor – 0.5) | 3 rd March 2022 |

Cloud Computing

Cybersecurity

Project Management

Software Engineering

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|-------------------|----|---------------|---|--|---------------------------|----------------------------|-----------------------------|
| Data Transmission | 16 | International | Thermal analysis and thermo-hydraulic characteristics of zirconia–water nanofluid under a convective boiling regime | Journal of Thermal Analysis and Calorimetry | Web of Science and Scopus | Q2 (Impact Factor – 3) | 12 th June 2019 |
| | 17 | International | Hybrid nanoparticles migration due to MHD free convection considering radiation effect | Journal of Physica A: Statistical Mechanics and its Applications | Web of Science and Scopus | Q2 (Impact Factor – 2.8) | 1 st August 2020 |
| | 18 | International | A comprehensive architecture for securing virtualization environment in an hyper converged systems | Journal of Theoretical and Applied Information Technology | Scopus | Q4 (Impact Factor – 0.17) | 31 st May 2019 |
| | 19 | International | Infrastrcuture as a Service: An Overview and its Impact on Digital Libraries | International Journal of Next Generation Computer Applications | Scopus | Q4 (Impact Factor – 0.12) | 13 th Nov 2017 |
| | 20 | International | Cloud services for collaborative web base Project Management System | JOURNAL OF COMPUTING TECHNOLOGIES | Scopus | Q4 (Impact Factor – 0.10) | 1 st June 2012 |

Conference Papers

| Web Crawler | Sr. No | National / International | Paper Title | Conference Name | Conference Organizer | Date |
|---------------------|--------|----------------------------------|---|--|--------------------------|---|
| | 1 | National Conference Saudi Arabia | A Service Oriented Architecture based Comprehensive Smart Calendar for scheduling and managing real-time events | 21st Saudi Computer Society National Computer Conference (NCC’2018), Riyadh | IEEE | 25 th -26 th April 2018 |
| | 2 | National Conference Saudi Arabia | A Comprehensively Secure Smart card access controls | 21st Saudi Computer Society National Computer Conference (NCC) | IEEE | 25 th -26 th April 2018 |
| | 3 | International | A Collaborative Design for Securing IaaS in Clouds | 5th International Conference on “Computing for Sustainable Global Development” | IEEE | 14 th -16 th March 2018 |
| | 4 | International | Persistent architecture for optimizing web service for e-government implementation | International Symposium on Systems Engineering | IEEE | 3 rd - 5 th October 2016 |
| E-Learning Systems | 5 | International | A Comprehensive Research on Xss Scripting Attacks on Different Domains and their Verticals | 4th International Conference on Computer Science and Network Technology (ICCSNT) | IEEE | 19 th - 20 th December 2015 |
| | 6 | International | Collaborative web based cloud services for E-Learning and educational ERP | International Conference on Recent Advances in Engineering and Computational Sciences (RAECS) | IEEE | 6 th - 7 th March 2014 |
| | 7 | International | Collaboration of Knowledge Network and E-Learning System with Social Sites for Teaching-Learning | Fourth International conference on Advances in Computing and Communications (ICACC) | IEEE | 27 th - 29 th August 2014 |
| | 8 | International | Cloud services for comprehensive project management software" | IEEE 6th International Conference on Applications of information and communication Technologies (AICT) | IEEE | 17 th - 19 th October 2012 |
| Graduation Projects | 9 | International | Cloud Service for Collaborative web based Project Management System | International Conference on Cloud Computing and eGovernance (ICCEG 2012), Bangkok | ISBN : 978-81-920575-0-7 | 2012 |
| | 10 | International | Impact of Cloud Computing Collaboration with Educational Space | International Conference on Cloud Computing and eGovernance (ICCEG 2012), Bangkok | ISBN : 978-81-920575-0-7 | 2012 |

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|------------------|----|---------------|--|---|--|----------------------------|
| Security Courses | 11 | International | Service Oriented Architecture A Revolution For Comprehensive Web Based Project Management Software | Cornell University Library | arXiv | 20 th July 2012 |
| | 12 | International | 4Collaborative Web Based Project Management Software | Computer Science & Information Technology (CS & IT) | Academy & Industry Research Collaboration Center (AIRCC) | 2012 |

Courses Taught

Security Courses

1. IT 463 – Software Security Design
2. IT 465 – Penetration Testing and Vulnerability Analysis
3. IT 343 – Information Security
4. IT462 – Enterprise Cybersecurity
5. IT464 – Security Governance
6. IT461 – Network Security

| Degree | Course Code | Course Name | Activity |
|----------|--------------|---|------------------------|
| Bachelor | IT463 | Software Security Design | Lecture, Lab |
| Bachelor | IT223, IT210 | Visual Programming | Lecture, Lab, Exercise |
| Bachelor | IS333 | Software Project Management | Lecture, Exercise |
| Bachelor | CS412, CS330 | Compilers | Lecture, Lab |
| Bachelor | IT415, CS498 | Graduation Project 1 | Lecture |
| Bachelor | CS432 | Software Modeling and Analysis | Lecture, Lab |
| Bachelor | CS499, IT499 | Graduation Project 2 | Lecture |
| Bachelor | CS231 | Data Structure | Lecture, Lab, Exercise |
| Bachelor | CS120 | Programming 2 | Lecture, Lab |
| Bachelor | IT465 | Penetration Testing and Vulnerability Analysis | Lecture, Lab |
| Bachelor | IT343 | Information Security | Lecture, Lab |
| Bachelor | IT341 | Data Transmission and Computer Network | Lecture |
| Bachelor | CS110 | Programming 1 | Lecture, Lab |
| Bachelor | IT232 | Selected Topics Emerging Technologies | Lecture, Exercise |
| Bachelor | IT332 | System Integration | Lecture |
| Bachelor | IT411 | Cloud Computing Fundamentals | Lecture, Exercise |
| Bachelor | CS430 | Design and construction of large software systems | Lecture, Exercise |
| Bachelor | IT422 | Infrastructure environment and Network servers | Lecture |
| Bachelor | IT481 | Ethics and Professional Practices | Lecture |
| Bachelor | CS270 | Programming Languages | Lecture |
| Bachelor | CSC109 | Introduction to Computer Programming | Lecture |
| Bachelor | CEN320 | Object Oriented Programming | Lecture |
| Bachelor | CEN319 | Microprocessor Systems | Lecture |
| Bachelor | CEN446 | Image Processing | Lecture |
| Bachelor | IT462 | Enterprise Cybersecurity | Lecture |
| Bachelor | IT464 | Security Governance | Lecture |
| Bachelor | IT461 | Network Security | Lecture, Lab |