



DR.M.ADNAN ASLAM

Lecturer

📍 Islamabad

☎ +92315-5207837

✉ malikmadnanaslam@gmail.com

Skills

Software Testing and
Automation



Software Quality Assurance



Artificial Intelligence (Machine
Learning/Deep Learning)



Core Expertise

Android Application
Development



Core Expertise

Streaming
Services(HLS/Dash/MPEG-TS)



specialize in optimizing live TV channel streaming and Video On Demand (VOD) content delivery. expertise includes designing custom video players for HTTP Live Streaming (HLS) and ensuring a seamless, high-quality viewing experience for users across various devices and network conditions. worked on m3u8 (Streaming with different mime types handling), (Dash .mpd handling), (.ts media)

Now a days test url: <http://livecric.rf.gd>

Digital Image processing



Agentic AI Development



Network Communication & its
Security



Objective

I am a driven individual with skills and expertise in the software Development , Project management along with having great years of teaching skills .I am experienced software & AI engineer and Teacher with a PhD degree in Artificial Intelligence, seeking a suitable job opportunity to utilize my excellent AI & software development and Teaching skills . I wish to work with a diverse team that works towards contributing to the company's vision and goals.

Personal Information

Name: Muhammad Adnan Aslam

Religion : Islam

Father Name : Muhammad Aslam Awan

Date of Birth : 19/08/1993

Martial Status : Single

CNIC No : 61101-6019552-3

Education

2001 - 2010 Matric (Science Group)

F.G Public High School CMT & SD Golra Peshawar road
Islamabad

Marks : 684/1050

2011 - 2012 Intermediate (FSC Pre-Engineering)

F.G Liaquat Ali Degree College Peshawar road Rawalpindi

Marks : 611/1100

Aug 2013 -

Bachelor of Sciences in Software Engineering

Aug 2017

Army Public College of Management & Sciences Affiliated
with UET TAXILA

CGPA : 3.79 Percentage: 95%

Final Year Project : Digital Virtual Assistant Using Artificial Neural Network

2018 - 2021

Master of Sciences in Software Engineering

National University of Sciences and Technology (NUST) EME
Campus

CGPA : 3.55 Percentage: 88.75%

Thesis Topic : A Novel Image Steganographic Framework for Efficient
Embedding Capacity and Stego Quality

2022 - 2025

PHD in Artificial Intelligence

Air University Main Campus Islamabad

CGPA: 3.89

Research Area : Assessment of Student Personality and Academic
Performance Using Explainable AI

Professional Experience

June 2016 -

Admission officer

August 2016

Army Public College of Management & Sciences

Apcoms Admin Office

OCT 2016 -

Incubation Center

FEB 2017

Software House of Apcoms University

Done Job in Unity Development Platform As a Senior Game Developer
(Team Leader).

JAVA Programming



Web Development



Ethical hacking



Social Engineering, Footprinting,Dns
poison,ARP poison,Brute Force
Attacks,DDos
Attacks,Phishing,Penetration
Testing,Whois Lookup,Session
Hijacking,SQL injection,and Cloud
Computing and much More...

Python Programming



C Sharp & Asp.net



Game Development



Unity Development Platform

Object Oriented Programming



Database Management



Unreal Engine Platform



Graphics Designing



Hobbies

- Ethical Hacking
- Cricket
- Soccer
- Body building & Weight Lifting
- Exploring New Development and technologies related to IT

March 2017 - Android Application Developer (JAVA Programming)

May 2017 FHA TECHNOLOGY Games and Applications

Done 3 Month Experience as a Android java developer.

OCT 2017 - Computer Science Teacher & Vice Principal

March 2022 Unique Public School Officer Lane#5 Near EME College

Feb 2018 - CEO

Ongoing Virtual Soft Technologies PVT LTD

March-2022 - Lecturer (Computer Science)

August-2022 Capital University of Science & Technology (CUST)
Islamabad

Sept-2022 - Lecturer (Creative Technologies)

Ongoing Air University Main Campus Islamabad

JAN 2022 - Visting Lecturer (CS Despartment)

Feb 2025 Uswa University Islamabad

Courses Taught : Mobile Application Development , Enterprise Application
Development, Software Quality Assurance , Web Application Development

Feb 2024 - Visting Lecturer (IT & CS Department)

Oct- 2024 Pak-Austria Fachhochschule Institute of Applied Sciences
and Technology, Haripur

Course Taught : Mobile Application Development

June 2025 - AI Consultant

Ongoing Riayatech, Dubai, United Arab Emirates

- Leadership of a team of AI Engineers in the design and development of an advanced Large Language Model (LLM)-based system for predictive AI-driven health insights using blood biomarkers.
- Management and execution of multiple AI-based healthcare projects, focusing on innovation and efficiency in project delivery.
- Optimization of digital simulations within healthcare contexts, improving accuracy and predictive performance.
- Enhancement of healthcare data processing workflows through the deployment of advanced AI technologies.
- Integration of cutting-edge AI solutions to streamline healthcare data analysis and improve patient-centered insights.
- Strategic oversight of AI development initiatives, ensuring alignment with healthcare sector objectives and technological advancements.

Training Sessions

01 Sept 2023 Cyber Security Training (Main Lead) (Practical hands-On)

- Ministry of IT (Ignite R&D dept) ,Pakistan

03-Nov 2023

- Led and facilitated cyber security training sessions organized by the Ministry of IT (Ignite R&D dept) in multiple locations across Pakistan, including **Peshawar, Lahore, Rawalpindi, Quetta, and Haripur.**
- Developed and delivered comprehensive training modules on various aspects of cyber security, equipping participants with essential knowledge and skills.
- Collaborated with subject matter experts to ensure the training content was up-to-date and aligned with industry best practices.
- Received positive feedback from participants, demonstrating the effectiveness of the training program.
- Demonstrated strong communication and presentation skills, effectively conveying complex cyber security concepts to diverse audiences.
- Managed logistical aspects of the training sessions, including scheduling, venue coordination, and participant registration.
- Maintained a high level of professionalism and ensured a positive

- learning environment throughout the training program.
- Contributed to the overall mission of the Ministry of IT to enhance cyber security awareness and capabilities in Pakistan.

17-Jan-2024 Cyber Security Training Sessions(Practical Hands-on)
- The University of Haripur

- 24-Jan -2024
- Delivery of practical, hands-on training sessions focused on cybersecurity principles and practices.
 - Instruction on foundational and advanced concepts in cybersecurity to enhance technical skills and threat mitigation strategies.
 - Organization and facilitation of interactive workshops fostering a deep understanding of cybersecurity methodologies.
 - Implementation of real-world scenarios and simulations to provide comprehensive practical exposure to participants.
 - Development of course materials and resources tailored to support effective learning and knowledge retention.
 - Promotion of a secure digital environment by equipping participants with techniques to identify, assess, and mitigate potential cyber threats.

12-July-2024 NAVTTC – National Vocational & Technical Training
- Commission

23-Sept-2025 Course Name: Data Mining and Artificial Intelligence

- Completion of the Data Mining and Artificial Intelligence course conducted by NAVTTC (National Vocational & Technical Training Commission) at Air University, Islamabad.
- Acquired in-depth knowledge and skills in data mining techniques, algorithms, and methodologies for extracting meaningful insights from complex datasets.
- Gained expertise in artificial intelligence principles, including machine learning models, neural networks, and AI-based problem-solving strategies.
- Hands-on experience with practical applications of data mining and AI technologies in various industries and sectors.
- Emphasis on utilizing analytical tools and programming languages, such as Python and R, for data analysis and model development.
- Enhanced ability to design AI-driven solutions and predictive models for addressing real-world challenges.

02-Sept-2025 NAVTTC – National Vocational & Technical Training
- Commission

04-Feb-2026 Course Name: Artificial Intelligence (Machine learning and deep learning)

- Completion of the Artificial Intelligence course with a focus on machine learning and deep learning under the National Vocational & Technical Training Commission (NAVTTC).
- Development of skills in designing, training, and deploying machine learning models for practical applications.
- Acquisition of expertise in deep learning techniques, including neural networks, convolutional networks, and natural language processing.
- Familiarity gained with programming languages and tools common in AI development, such as Python, TensorFlow, and Keras.
- Hands-on experience with implementing real-world projects in artificial intelligence to solve complex problems.
- Strengthened understanding of data analysis, feature engineering, and model optimization techniques to enhance AI model performance.

16-Feb-2026 NAVTTC – National Vocational & Technical Training
- ongoing Commission

Course Name: Artificial Intelligence (Machine learning and deep learning)

- Completed vocational training in Artificial Intelligence with a focus on machine learning and deep learning through NAVTTC – National Vocational & Technical Training Commission
- Developed foundational knowledge of machine learning concepts, algorithms, and model development techniques
- Applied deep learning principles to understand neural networks, training processes, and predictive modeling approaches
- Utilized course-based learning to strengthen analytical, problem-solving, and data interpretation capabilities

- Gained practical exposure to artificial intelligence methodologies, including supervised and deep learning workflows
- Built technical understanding of AI tools and concepts relevant to modern data-driven and automation-focused environments

List of Publications

1. **Aslam, M. A.**, Rashid, M., Azam, F., Abbas, M., Rasheed, Y., Alotaibi, S. S., ... (2022). Image steganography using least significant bit (LSB) - A systematic literature review. *2022 2nd International Conference on Computing and Information Technology (ICCIT-1442)*.
2. **Aslam, M. A.**, Murtaza, F., Haq, M. E. U., Yasin, A., & Azam, M. A. (2024). A human-centered approach to academic performance prediction using personality factors in educational AI. *Information*, 15(12), 777.
3. **Aslam, M. A.**, & Hassan, C. H. A. U. (2024). Effective cyber threat detection through machine learning algorithms. *2024 2nd International Conference on Computing and Data Analytics (ICCD A)*, 1-6.
4. Hamid, D., Hassan, C. A. U., Yasin, A. U., Shabir, S., Akram, T., & **Aslam, M. A.** (2024). Retaining the best: How AI and IoT can combat employee turnover. *2024 2nd International Conference on Computing and Data Analytics (ICCD A)*, 1-7.
5. Muzammal, S. M., **Aslam, M. A.**, Bibi, R., Ali, S., Jhanjhi, N. Z., & Tayyab, M. (2024). Securing data communication among IoT devices. *2024 IEEE 9th International Conference on Engineering Technologies and Applied Sciences (ICETAS)*.
6. **Aslam, M. A.**, Murtaza, F., Haq, M. E. U., Yasin, A., & Ali, N. (2025). SAPEX-D: A comprehensive dataset for predictive analytics in personalized education using machine learning. *Data*, 10(3), 27.
7. **Aslam, M. A.**, Lotia, P., Bilal, M., Alhussein, M., Cheema, A. M., & Aurangzeb, K. (2025). Securing symbiotic IoT in 6G networks using a hybrid MCBA-6GNET deep learning framework for anomaly detection. *Transactions on Emerging Telecommunications Technologies*, 36(10), e70251.
8. Tumkur, S. D., Eswarakrishnan, V., Wairagade, A., **Aslam, M. A.**, Bilal, M., ... (2025). Optimizing malware detection in virtual cloud environments using hybrid machine learning approach. *Arabian Journal for Science and Engineering*, 1-32.
9. **Aslam, M. A.**, Muzammal, S. M., Jhanjhi, N. Z., & Tayyab, M. (2025). Image steganography metamodel using model-driven engineering. In *Vulnerabilities Assessment and Risk Management in Cyber Security* (pp. 169-188).