

ENGR. M TALHA JAHANGIR

Lecturer in Computer Science | PhD Researcher (NUST) | PEC Registered Engineer

PROFESSIONAL SUMMARY

An innovative Computer Engineer and AI Researcher with over 5 years of academic and industrial experience spanning international network engineering, telecommunications, and advanced deep learning research. Proven track record in developing high-impact intelligent systems, machine learning applications, and managing academic department operational programs.

ACADEMIC & PROFESSIONAL EXPERIENCE

- Lecturer (Computer Science Department)** | MNS-UET, Multan (*May 2023 – Present, Permanent*)
Serve as Academic Coordinator for Artificial Intelligence, Cybersecurity, and B.Tech (Software) programs. Act as Focal Person for the Pakistan Citizen Portal and Industrial Linkages.
- Graduate Engineer (Computer Science Department)** | MNS-UET, Multan (*Jan 2021 – May 2023*)
- Visiting Faculty Member** | Bahauddin Zakariya University (BZU) & MNSUA, Multan (*2018 – 2021*)
- Network Engineer** | GWC (LLC), Dubai (*International Engineering Operations*)
- Engineering Internee** | PTCL Data Center & Pakistan Internet Exchange (PIE) (*2016*)

EDUCATION

- Ph.D. in Computer Engineering (Research In-Progress)** | National University of Sciences & Technology (NUST), Pakistan (*CGPA: 3.68*)
- M.Sc. in Computer Engineering** | National University of Sciences & Technology (NUST), Pakistan (*CGPA: 3.40/4.00*)
- B.Sc. in Computer Engineering** | Bahauddin Zakariya University (BZU), Multan (*75.95%, Annual System*)

SELECTED PUBLICATIONS & RESEARCH OUTPUT

- Generative AI & Intelligent Systems:** "INFERSITY V1: A Retrieval-Augmented Generation (RAG) Based Chatbot for Intelligent Access to University Resources" (*Spectrum of Engineering Sciences*, 2025).
- Biomedical & Vision Models:** Extensive deep learning contributions including automated classification frameworks for Esophageal Cancer, Heart Disease diagnostics, Diabetic Retinopathy grading, and occluded facial expression models across recognized HEC/IEEE publishing boards.
- Agricultural Intelligence:** Advanced vision-driven models for automated classification of Begomovirus in crops, wheat rust identification, and fruit nutrient indexing (*Journal of Agriculture and Biology*, 2025).

CORE RESEARCH INTERESTS & TECHNICAL TOOLKIT

Research Domains: Deep Learning, Generative AI, Agentic AI, Computer Vision, Biomedical Signal Classification, IoT Micro-Caching Optimization.

Technical Engineering Toolkit: Python (CrewAI, LangChain, Hugging Face, TensorFlow, PyTorch/Keras, OpenCV), Streamlit, Gradio, MATLAB, CCNA, CCNP.

REFERENCES

Verified academic publications, PEC registration indices, and formal references are available upon request.