Tabassum Javed

PhD in Computing (Conti.) | Lecturer | Research Enthusiast

Rawalpindi, Pakistan | +92 314 4567652 | tabassumjaveth@gmail.com

linkedin.com/in/tabassumjaved

ABOUT

I am a dedicated academic and researcher currently pursuing a PhD in Computing, with over five years of university teaching experience and more than three years as a professional software developer in .NET and Python. I teach a range of computing courses and supervise Final Year Projects, mentoring students from proposal through to defence. I bring strong organisational skills, a collaborative approach, and a genuine commitment to continuous learning and rigorous, ethical research.

EXPERIENCE

Lecturer (CS) Sep 2021 – Present

Riphah International University (I-14) Islamabad, Pakistan

- Deliver undergraduate computing courses spanning programming, COAL, Datastructures, OOP and Information Security.
- Supervise and mentor Final Year Projects (FYP), guiding students from proposal through implementation and defence.
- Develop course materials, assessments, and laboratory exercises aligned with programme learning outcomes.
- Other deparmental dutes include member various committees e.g,. exam committee, Tarbiya dept, and mentoring committee.

Lab Engineer Feb 2020 – Aug 2021

Riphah International University (I-14) Islamabad, Pakistan

- Conducted and supervised laboratory sessions for core computer science courses, supporting students with hands-on practical work.

Python Developer Sep 2019 – Feb 2020

MicroMerger (Pvt.) Ltd Islamabad, Pakistan

- Built and maintained Python applications and data-processing workflows in a commercial software environment.

SST (CS) Apr 2012 – Aug 2019

Punjab School Education Dept. Gujrat, Pakistan

- Taught computer science to secondary-level students and contributed to curriculum delivery over seven years of service.

Software Engineer Nov 2010 – Feb 2012

MicroMerger (Pvt.) Ltd. Islamabad, Pakistan

- Developed software solutions as a .NET and Python developer, contributing across the application development lifecycle.

EDUCATION

PhD in Computing (Conti.) Jun 2025 – Present

Multimedia University Cyberjaya, Malaysia

- Key areas include efficient machine learning for resource-constrained IoT devices, runtime resource profiling, and edge security for IoT networks.

PGD in Professional Ethics and Teaching Methodology 2021 – 2022

Riphah International University Islamabad, Pakistan

B.Ed (Science) 2012 – 2013
Allama Iqbal University Islamabad, Pakistan

Master of Science in Computer Science (MSCS) 2014 – 2018
Virtual University of Pakistan, Lahore, Pakistan

BS in Software Engineering 2006 – 2010
International Islamic University, Islamabad, Pakistan

RESEARCH INTERESTS

IoT Security • Edge Computing • Applied Machine Learning for Cybersecurity

PUBLICATIONS

- Mushtaq, S., Javed, T., & Mohd Su'ud, M. (2024). *Ensemble Learning-Powered URL Phishing Detection: A Performance-Driven Approach.* Journal of Informatics and Web Engineering (JIWE), eISSN: 2821-370X.

CERTIFICATIONS

- **Certified Ethical Hacker (CEH)** — EC-Council, 2024 (Cert. No. ECC6321759408)
- **ISC2 Certified in Cybersecurity (CC)** — ISC2, 2024
- **Certificate in Artificial Intelligence** — Presidential Initiative for Artificial Intelligence (PIAIC), 2022
- **MTA 98-381: Introduction to Programming Using Python** — Microsoft, 2020
- **Technical Support Fundamentals** — Google (Coursera), 2023

TECHNICAL SKILLS & TOOLS

Programming:	Python, C#, C++
Machine Learning & Data:	TensorFlow, scikit-learn, Pandas, NumPy, Matplotlib, Scrapy
Cybersecurity:	Kali Linux, Wireshark, Aircrack-ng, Metasploit
Tools & Platforms:	VS Code, Jupyter Notebook, Git, LaTeX, Microsoft Excel

LANGUAGES

English (professional working proficiency) • **Urdu** (native) • **Punjabi** (native)