Muhammad Wahab Khan

Software Engineer | Lecturer Computer Science

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Honors and Achievements

- **LeetCode |** Solved **200+** Data Structure and Algorithms problems **(Top 10%).** [Link]
- **CSC |** Selected for Chinese Government Scholarship at Wuhan University **(Top 0.5%/1500+)**. [Link]
- **Meta Hacker Cup 2025 |** Qualified for round 1 of meta hacker cup.
- **Execute AI Genesis Hackathon Participant | Top finalist** among 165 global teams. [Link]
- **Calico Spring 25 @UC Berkeley | Top 6%** among 820 teams and 1816 contestants. [Link]
- **M(IT)^2 Spring 2025 @MIT | Top 7%** among 3000+ contestants from 70+ countries. [Link]
- **CS50x @Harvard Winner 25 |** Led a team to solve 9/9 problems (9000+ global participants). [Link]
- **Coding Contest Spring 25 @TeamsCode |** Ranked 39th out of 396 globally **(Top 10%)**. [Link]
- **IELTS** | Obtained 6.5 scores overall (7.0 in Writing and Listening). [Link]
- **Duolingo English Test** | Successfully obtained 125 Score. [Link]
- **Highly Ranked (4.9+), Top Rated Seller @Fiverr |** Python Instructor, Sept 2020 - Jan 2024. [Link]
- **Hazza Institute @NAVTTC |** Ranked **1st/50** candidates developed six mobile application snippets, 2022.
- **International Islamic University |** Recipient of Merit Scholarship during Undergrad, 2019 **(2nd/80)**.
- **Quaid-i-Azam University |** Prime Minister Laptop Award during Undergrad, 2018 **(Top 15/200)**. [Link]
- **Punjab College |** Recipient of Merit Scholarship during high school, 2015 **(14th/400+)**. [Link]
- **PAEC Model College** | Recipient of Merit Scholarship during secondary school, 2013 **(2nd/65)**. [Link]

Education

BS Computer Science | International Islamic University Islamabad   **Sep 2018 – Sep 2022**

CGPA: 3.4 / 4.0

(3× Dean's List, Ranked 2nd in cohort)

Final Year Project

- **E-Rental |** [Dissertation] [GitHub]
  - Developed a mobile application to automate car rental operations with secure user authentication and data handling.
  - Integrated features like OTP verification via Phone/Gmail and password hashing.
  - Technologies: React Native, SQLite, JavaScript, and Firebase.
  - **Supervisor:** Dr. Qaiser Javed [Link]

Skills

- **Programming:**   Python | Java | PHP | C++ | Javascript | MARIE Assembly
- **Web:**   HTML | CSS | Bootstrap | React | Express | Yii2 | Django | SQL
- **Tools:**   Git | GitHub | Docker | VS Code | Google Colab | Jupyter Notebook
- **Databases:**   MySQL | SQLite | Firebase | MS Access

Teaching Experience

- **Junior Lecturer | Iqra University Islamabad |** [Link]   **Jul 2024 – Present**
  - Courses (labs) taught (Undergraduate):
    - GER111-Application of Information & Communication Technology. (Spring 2025)
    - CMC111-Programming Fundamentals. (Fall 2024, Spring 2025)
    - CMC251-Data Structure & Algorithms. (Summer 2024, Spring 2025)
    - CMC331-Database Management System. (Fall 2024, Spring 2025)
    - CMC123-Digital and Logic Design. (Spring 2025)
    - CMC112-Object Oriented Programming. (Fall 2024, Spring 2025)
    - CSC333-Introduction to Python. (Summer 2024)
- **Python Instructor | FIVERR |** [Link]   **Sep 2020 – Jan 2024**

- Tutored programming to **30+ international students** includes US, UK, Bahrain, UAE, Romania, KSA and many more.
- Reached Top Rated Seller Badge with 4.9 ratings.

Work Experience

- **Research Assistant | Remote**   **Dec 2025 – Present**
  - Conducting research on the ethical design and deployment of cybersecurity honeypots, with a focus on data collection, consent models, containment, and legal considerations across IT, IoT, ICS, and CPS domains.
  - Developing a structured literature review pipeline including taxonomy design and comparative analysis of peer-reviewed security papers.
  - Analyzing high-impact honeypot systems to identify ethical gaps, deployment risks, and responsible disclosure practices.
  - Preparing a systematic ethics and design framework to support responsible honeypot research.
  - **Advisor: Prof. Efren López Morales**

- **Junior Lecturer / Software Developer | Iqra University Islamabad** [Link]   **Jul 2024 – Present**
  - Assisting the development team in managing the university's Learning Management System (LMS).
  - Conducting labs of undergraduate students, primarily focused on programming courses including Programming Fundamentals , OOP , DSA and Databases mainly (C++, Java, Python).

- **Software Engineer | FIVERR |** [Link]   **Jul 2024 – Present**
  - Providing professional services in website development, programming, databases, and software customization for global clients.
  - Collaborating with clients to design and deliver scalable, high-performance web applications using modern frameworks and APIs, ensuring quality, functionality, and on-time delivery.

- **Web Developer | Dynamics 360 |** [Link]   **Mar 2024 – Jun 2024**
  - Upgraded and optimized the company's content management system.
  - Enhanced website functionalities and resolved URL and navigation issues.
  - Developed a custom portfolio website from scratch for showcasing software projects.
  - Led a team of three members and actively provided strategic guidance to the CEO on website improvements aimed at boosting company growth.

- **Web Developer | Centangle Interactive |** [Link]   **Mar 2023 – Feb 2024**
  - Developed a dynamic data management website for GIZ, transitioning from manual Excel-based processes.
  - Built an employee and department management system from scratch using core PHP and MySQL.
  - Created an interactive Sales Management Dashboard to track products, sales, and client feedback efficiently.

- **Trainee (MERN) | QC360 |** [Link]   **Dec 2022 – Feb 2023**
  - Learned basics of web development and React, Express, Node and MongoDB.
  - Developed Ecommerce website & CRUD implementation managing employees data.

- **Software Engineer | FIVERR |** [Link]   **Sep 2020 – Jan 2024**
  - Top Rated Seller (4.9) with over 300+ completed projects across global clients.
  - Delivered professional services in web development, programming, and database design, ensuring high-quality, scalable solutions tailored to client requirements.

Volunteer Experience

- **Instructor(Programming)**   **Apr 2025 – Present**
  - Delivered "Introduction to Python" 6 week course to underprivileged students.
  - Conducting workshops on "Object Oriented Programming in Java" and "SQL Basics".

- **Section Leader | Stanford University |** [Link]   **Apr2025 – Jun 2025**
  - Selected as a Section Leader for Stanford University's Code in Place 2025.

- ○ Completed 6 weeks of teaching **CS106A** - Python course to students from US, Canada, India, Romania, Germany and others.

Projects

- **AI Vulnerability Assessment** | [GitHub]
  - ○ Set up a containerized environment (Docker, Ollama) to evaluate LLMs.
  - ○ Used **Garak** for prompt-injection/jailbreak testing.
  - ○ **DependencyCheck** for dependency vulnerabilities, and **Giskard** for systematic adversarial evaluation.
  - ○ Produced vulnerability reports for Microsoft Phi-3-Mini and open-source LLMs.
  - ○ Credit: Mikko Lempinen

- **Dynamics360 Dashboard** | [GitHub]
  - ○ Developed a dynamic admin portal.
  - ○ Used PHP technologies to manage company data previously handled directly through phpMyAdmin.
  - ○ Enabled seamless add, update, and delete operations via a user-friendly web interface connected to a MySQL backend.

- **Digi64 Digital Services** | [Link]
  - ○ Developed a website for Dynamics 360 offering web, mobile, and desktop application development services.
  - ○ Implemented responsive web design to ensure compatibility across all devices.

- **ERP Website** | [GitHub]
  - ○ Developed a comprehensive ERP website using Yii2 for a **Netherlands-based client.**
  - ○ The system manages product details, raw materials, suppliers, workers, managers, and other key business operations.

- **TextILES** | [GitHub]
  - ○ Developed a website for a GIZ using HTML, CSS, Bootstrap, JavaScript, PHP (Yii2), and MySQL.
  - ○ Automated their work previously managed in Excel through a friendly user-interface.
  - ○ Included a dynamic dashboard showing graphs providing visualization of the data.

- **Enullasini Org Donation Web** | [GitHub]
  - ○ Developed a website for Enullasini Organization based in India for donation purposes.
  - ○ Technologies: HTML, CSS, Bootstrap, JavaScript, PhP, Yii2 and MySQL.

International Hackathons and Competitions

- **M(IT)^2 Fall 2025 @MIT** | [Link]
  - ○ Secured 58th rank among 192 contestants globally.
  - ○ Competed as an individual contestant, solved Data Structure and Algorithms problems.

- **Calico Fall 2025 @University of California Berkeley** | [Link]
  - ○ Secured 358th rank among 2231 contestants and 1092 teams from 38 countries and 41 U.S states.
  - ○ Participated individually, solved 6 out of 12 problems (across 17 test sets) of Data Structure and Algorithms.

- **Meta Hacker Cup 2025 @Meta** | [Link]
  - ○ Competed independently, secured 130th rank among 397 teams nationally.
  - ○ Solved 2 and a half out of 4 problems of Data Structure and Algorithms.

- **Calico Spring 2025 @University of California Berkeley** | [Link]
  - ○ Our team secured 116th rank among 1816 contestants and 820 teams(48 countries and 30 U.S states).
  - ○ Solved 8 out of 12 problems (across 17 test sets) of Data Structure and Algorithms.
  - ○ Personally managed to solve 6 problems during the contest.

- **M(IT)^2 Spring 2025 @MIT** | [Link]
  - ○ Secured 206th rank among 3000+ contestants from 70+ countries.
  - ○ Solved 4 out of 5 Data Structure and Algorithms problems.

- **CS50x @Harvard's Puzzle Day 2025** | [Link]

- - Led a team of 3 members at Harvard's CS50x Puzzle Day 2025.
    - Solved 9/9 complex puzzles using deep logical thinking and teamwork.
    - Collaborated with international teammates from Indonesia(2), and Singapore.
- **Spring 2025 International Coding Competition @TeamsCode |** [Link]
    - Secured 39th place out of 396 international teams.
    - Competed in advanced division, solved Data Structure and Algorithms problems.
- **Raise your Hack Hackathon |** [Certificate]
    - Collaborated with teammates to develop AI-Powered Smart Contract Audit Tool for Qubic. [GitHub]
    - AI-powered security analysis for C++ smart contracts on the Qubic Network.
    - Automatically detects common vulnerabilities generating comprehensive security reports with actionable recommendations.
- **Execute AI Genesis Hackathon |** [Certificate]
    - Muwakkil - AI Legal Assistant for UAE Entrepreneurs. [GitHub]
    - Muwakkil addresses the challenges faced by entrepreneurs and SMEs in the UAE's complex dual system.
    - Collaborated with a team of five individuals from the United States, Taiwan and Pakistan.
    - **Top finalist** among 165 global teams & 1500+ participants (too close to win for AI/ML API). [Link]

Courses

- Fundamentals of Cyber Security (2024) |Udemy | [Link]
- Introduction to Data Science (2023) |NIAIS | [Certificate]
- Mobile App Development (2022) | NAVTTC | [Certificate]
- CCNA Modules(2020) | Cisco Online Networking Academy | [Certificate]

References

- **Dr. Muhammad Adeel |** Assistant Professor @IIUI / Adjunct Teaching Professor @QAU
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