

# 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 (2<sup>nd</sup>/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 (14<sup>th</sup>/400+). [\[Link\]](#)
- **PAEC Model College** | Recipient of Merit Scholarship during secondary school, 2013 (2<sup>nd</sup>/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

- **Dissertation/Final Year Project: E-Rental** | [\[Undergraduate Thesis\]](#) [\[GitHub\]](#)
  - 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 | HTML | CSS | SQL
- **Framework/Libraries:** React | Express | Yii2 | Django | Bootstrap | Numpy | Pandas | Matplotlib
- **Tools:** Git | GitHub | VS Code | Google Colab | Jupyter Notebook | Logisim | MARIE Simulator
- **Databases:** MySQL | SQLite | Firebase | MS Access

## Teaching Experience

- **Junior Lecturer | Iqra University Islamabad** | [\[Link\]](#) Jul 2024 – Present
  - Courses 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)
  - Some of my university [students' reviews](#) are on my website.

- **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.
  - Some of my [international students' reviews](#) are on my website.

## Work Experience

- **Research Assistant (Intern) | 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 using a Python-based automated literature review tool, including taxonomy design and comparative analysis of peer-reviewed security papers.
  - Analyzing high-impact honeypot systems (e.g., IoT, PLC, industrial and camera honeypots) 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

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- **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

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- **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**

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- 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**

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