

Mustafa Iqbal

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EDUCATION

SZABIST University Karachi-Pakistan
Bachelor of Science in Computer Science - CGPA(3.53/4.0) Expected Jun 2027
Relevant Courses: Fundamentals of Programming, Object-Oriented Programming, Software Construction and Development, Software Engineering, Operating Systems

UNIVERSITY PROJECTS

Cybersecurity Projects (Google Cybersecurity Professional Certificate (Coursera)) Aug 2025 – Sep 2025

- **SQL Filters:** Cybersecurity Investigation: Queried and filtered large datasets using SQL to detect anomalies and suspicious user activity in system logs. Applied conditional statements and logical operators to trace potential insider threats.
- **Incident Report Analysis:** Reviewed and documented a simulated cybersecurity breach using structured reporting practices. Identified key indicators of compromise (IOCs) and suggested mitigation strategies following NIST guidelines

Attendance Management Web Application (Node.js, PostgreSQL, EJS) Jul 2025

- Built a secure, role-based attendance management system, improving access control and database query performance by 20%.
- Designed optimized SQL schemas ensuring data integrity and scalability.

Full-Stack GPA & CGPA Tracking Web Application (Node.js, PostgreSQL, Alpine.js) Apr 2025 – Jun 2025

- Designed REST APIs supporting large student groups, improving query performance by 30%.
- Deployed via Firebase Hosting with scalable architecture for multi-department use.

Restaurant Management System (Object-Oriented Programming) March 2024 – May 2024

- Developed a restaurant management application in Java to manage menus, customer records, and order operations.
- Applied OOP principles including encapsulation, inheritance, and polymorphism to create a modular and efficient system.
- Implemented key features such as order placement, menu updates, and automated bill generation, reducing manual billing errors by 30% and improving overall process efficiency.

Car Rental Management System (SZABIST Hackathon) Dec 2023

- Delivered a working prototype in 48 hours, cutting booking flow time by 50%.
- Collaborated with 2 peers to implement booking, payment, and vehicle listing modules.
- Reached finalist position among 30+ teams at SZABIST Hackathon.

TECHNICAL SKILLS

Programming: Java (Advanced), Python, JavaScript (Node.js), SQL

Frameworks: ASP.NET (MVC & Entity Framework, Advanced), Express.js, Alpine.js, EJS

Databases & Tools: PostgreSQL, Firebase, Git/GitHub

Operating Systems: Windows, Linux (CLI, system hardening)

Cybersecurity Security Tools & Skills: SQL log analysis, Wireshark, Splunk (basic), Linux hardening, NIST CSF risk management, vulnerability assessment, incident investigation

LEADERSHIP & ACTIVITIES

ACM SZABIST Core Team Member (2025 – Present)

- Assisted in organizing technical events, workshops, and hackathons.
- Supported logistics, coordination, and technical tasks for student tech activities.

CERTIFICATIONS

Google Cybersecurity Professional Certificate Oct 2025

Google AI Essential Oct 2025

Linux for Beginners Jul 2025

Python Pro Apr 2025

LANGUAGES

English (Working Proficiency), German (Intermediate)