



# Mustafa Iqbal

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## EDUCATION

### SZABIST University

Bachelor of Science in Computer Science

Focus: Cybersecurity

Cumulative GPA: 3.53 / 4.00

Relevant Coursework: Data Structure, Object Oriented, Operating Systems, Database Systems, Artificial Intelligence

Karachi-Pakistan

Expected Jun 2027

### Alpha College

High-School (A-Levels)

Subjects: Mathematics, Computer Science, Physics

Emphasis on analytical and problem-solving skills

Karachi-Pakistan

Jan 2021 – Jun 2023

## TECHNICAL EXPERIENCE

### Full-Stack GPA & CGPA Tracking Web Application (Node.js, PostgreSQL, Alpine.js)

Apr 2025 – Jun 2025

- Developed and deployed a full-stack academic web app using Node.js, Express.js, PostgreSQL, and Alpine.js in under 10 weeks.
- Designed 10+ RESTful APIs with Spring Boot (Java) to automate GPA tracking for 5,000+ students, achieving 99.9% uptime.
- Integrated NeonDB (cloud PostgreSQL), improving query efficiency by 30% through indexing and schema optimization.
- Deployed the application via Firebase Hosting, ensuring scalable access across university departments with 24/7 availability.

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

Jul 2025

- Designed and developed a full-stack web application for attendance tracking using Node.js, Express.js, PostgreSQL, and EJS.
- Implemented secure login authentication and role-based access control for administrators and faculty.
- Created and optimized SQL database schema with indexing for fast retrieval of attendance records and class data.
- Built responsive EJS views for login, dashboard, and registration with shared CSS styling for consistent UI.
- Applied CRUD operations, data validation, and query optimization for improved performance and reliability.

## UNIVERSITY PROJECTS

### Java Developer (Course Project)

Karachi-Pakistan

Restaurant Management System

Jan 2024

- Created a Java-based console application to manage restaurant operations, enhancing order and billing efficiency by 50%.
- Implemented secure user login system and menu CRUD operations with file-based data persistence.
- Reduced manual billing time by 60% through automated receipt generation.
- Applied OOP to create 8 reusable classes, improving maintainability and scalability.

### Car Rental Management System

Dec 2023

Participated in the SZABIST Hackathon

- Designed and delivered a functional prototype in 48 hours, reducing booking flow time by 50% with a user-friendly UI.
- Collaborated with a team of three members, completing all core modules including vehicle listing, booking, and payment logic under tight deadlines.
- Achieved finalist status among 30+ teams

## Technical Skills

**Languages:** Advanced in Java, Python, JavaScript (Node.js), SQL

**Domains:** Network Security, RESTful API Development

**Tools:** PostgreSQL, Firebase, Git & GitHub, VS Code

**Frameworks/Libraries:** Express.js, Alpine.js

**Operating Systems:** Windows, Linux (Basic CLI Usage)

**Other:** Firebase Hosting, Linux Command Line, File Handling

## Certifications

