



## TECHNICAL SKILLS

- Programming Languages: Python, JavaScript, SQL
- Frameworks & Libraries: Flask, FastAPI, React.js, React Native, Express, Bootstrap, Pandas, SQLAlchemy
- Databases: PostgreSQL, MySQL, SQLite, MongoDB
- Tools & Platforms: Git, Linux, PostgreSQL Admin, VS Code, Terminal
- Core Competencies: API Design, Authentication, Web Security, Data Validation, Convolutional Neural Networks (CNNs)

## EDUCATION

### Bachelor in Electronics

2025-2029

### EDEXCEL A-Levels

2023 - 2025

### Edexcel O Levels

2021-2023

# HANZALA KHAN

## BACKEND-FOCUSED FULL-STACK DEVELOPER

## PROFILE

### Email:

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Karachi, Pakistan

### Portfolio:

<https://hanzalakhan010.github.io/portfolio>

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**GitHub:** <https://github.com/hanzalakhan010>

## WORK EXPERIENCE FlexyUI UI/UX Developer Intern

- Built responsive React components from design files using Tailwind CSS for cross-device compatibility.
- Implemented UI features such as toast notifications and a swipeable image slider.
- Developed reusable, maintainable components aligned with design specifications.
- Enhanced frontend performance using React best practices and Tailwind's utility-first approach.

## PROJECTS

### Electronic Voting System

#### Python, Flask, PostgreSQL

- Built a secure digital voting platform with authentication and result integrity.
- Engineered for scalability and high reliability, handling large voter groups seamlessly.
- Overcame real-world deployment challenges to ensure robust, production-ready performance.

### Timetable Generator

#### Python

- Automated class scheduling with variable constraints and CSV export.
- Solved a recurring problem of manual timetable rebuilding after small changes.

### School App

#### React Native, FastAPI, Python

- Built a cross-platform school communication app with role-based dashboards.
- Awarded 1st Prize at the Science Fair for system presentation.

### Learning Management System (LMS)

#### React.js, Flask, PostgreSQL, SQLAlchemy

- Designed a full-stack LMS with role-based access (Admin, Teacher, Student, Parent).
- Implemented course management, timetable generation, and bulk admin actions.
- Built on a modular, scalable architecture with clean UI/UX workflows.