

SOHAIB IJAZ

SOFTWARE DEVELOPER / ASPIRING AI & ML ENGINEER

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PROFILE

Computer Science student at UCP Lahore building interactive web applications from programming, algorithms and database foundations. Currently studying machine learning, with interests in practical AI, full-stack engineering and clear, usable software.

EDUCATION

University of Central Punjab (UCP), Lahore - BS Computer Science
Expected graduation: 2027

TECHNICAL FOUNDATION

Languages: Python, TypeScript / JavaScript, C / C++, Java, SQL

Applications: React, Next.js, Flask, Node.js, REST APIs, SQLite, MySQL

Tools & concepts: Git / GitHub, Figma, relational modelling, role-based access, data structures, automated testing

Currently exploring: Machine learning, model evaluation, computer vision, NLP / GenAI

SELECTED PROJECTS

TrustMart - Electronics Market Companion

React / TypeScript, Flask, SQLite | Original coursework source

Modernised an MIT App Inventor and React coursework concept into a role-based demo with QR supplier lookup, comparable price calculations, transparent product records and audit workflows. Uses fictional shops and sample prices.

CareIndex - Clinic Workflow & Engineering Lab

Next.js, TypeScript, SQLite | Original coursework source

Developed synthetic clinic workflows for booking, staff access and simulated billing, with an engineering lab explaining AVL rotations and database behaviour. Builds on original C++ patient-ID coursework.

Travel Estimator - Interactive Trip Planning

Next.js, TypeScript, SQLite, GSAP | Original coursework source

Built explainable budgets, private saved plans and group planning, with configured flight and venue provider integrations. Clearly separates live provider responses from sample assumptions.

Word Search Studio

React, TypeScript, C++ foundation | Original coursework source

Refined a C++ word search into a browser game with deterministic generation, daily puzzles, keyboard/touch selection, automatic resume, personal records and an interactive search trace.

TRAINING & RECOGNITION

Generative AI Application Developer - Top Performer | ULEF / NCEAC-HEC, May 2026

Issuer verification record

Python Mega Course: Build 20 Real-World Apps and AI Agents | Udemy, May 2026

Certificate of completion

MERN Stack with AI Workshop - DevLearn Dynamics | 3-Week Cyber Bootcamp - UCP

ONGOING COLLABORATIVE PROJECT

Parkistan: Smart-parking proposal exploring a citizen/warden workflow, macro-zone geofencing and a planned plate-recognition pipeline. Currently in planning and architecture.