

Abdullah Azher Chaudhary

📍 Lahore, Pakistan ✉ abdullahazherch@gmail.com ☎ +923274534352 🌐 in/abdullah-azher-chaudhary-a94976260 🖱 abdullahch.vercel.app

SUMMARY

Computer Science student with a passion for innovation and real-world problem solving. Skilled in AI, software development, and cybersecurity, with hands-on experience in diverse technical projects. Strong analytical thinker with attention to detail and a drive to build impactful, scalable solutions.

EXPERIENCE

Generative AI Intern

Xavor Corporation

June 2024 - August 2024, Lahore

- Developed AI-driven healthcare solutions by integrating Large Language Models and NLP techniques during internship.
- Designed and implemented an empathetic chatbot through application of AI technologies, offering companionship and emotional support for the elderly.
- Collaborated with cross-functional teams to integrate AI solutions into real-world healthcare applications.

Teaching Assistant

University of Engineering and Technology

August 2023 - May 2024, Lahore

- Facilitated Programming Fundamentals and Object-Oriented Programming courses by organizing tutorial sessions and providing coding assistance.
- Assisted in the development of comprehensive lesson plans, which enhanced student understanding and resulted in increase in overall class performance.
- Collaborated with lead teachers to develop and implement lesson plans, resulting in improvement in student engagement and academic performance over two semesters.

PROJECT

Developer Portfolio

UET Lahore • abdullahch.vercel.app/ • June 2025 - June 2025

- Built a **modern and responsive developer portfolio** using Next.js and Tailwind CSS.
- Designed and implemented **clean, component-based UI** with React and Tailwind utilities.
- Optimized for **performance, SEO, and mobile responsiveness** using Next.js features.
- Showcased projects, skills, and contact functionality in a **professional single-page layout**.

Secure MNIST Classifier with Zero Trust Architecture

UET Lahore • github.com/ABDULLAHZHERCH/Zero-Trust-Architecture-MNIST-Classifier • April 2025 - May 2025

- Developed a **Flask-based web app** to classify handwritten digits using a trained MNIST model.
- Implemented **Zero Trust Architecture (ZTA)** with identity verification and minimal trust boundaries.
- Applied **cybersecurity principles** including microsegmentation and access control for system hardening.
- Utilized **Python, OpenCV, and ML techniques** to ensure accurate digit recognition and secure deployment.

Staff Flow

UET Lahore • github.com/ABDULLAHZHERCH/Staff-Flow • February 2025 - April 2025

- Built a responsive and modern UI using **Next.js** for seamless shift and workload management.
- Developed AI algorithms for **automated shift optimization** and workload balancing.
- Implemented **real-time availability tracking**, conflict resolution, and rule-based scheduling.
- Managed the project using **Jira** for agile task planning, sprint tracking, and team coordination.

University Learning Management System

ulms-client.vercel.app/ • November 2024 – December 2024

- Developed a **full-stack LMS platform** with Next.js frontend and Node.js backend.
- Implemented **authentication and role-based access control** for students, teachers, and admins.
- Used **MongoDB** for managing users, courses, and content data efficiently.
- Designed a **responsive UI** with Tailwind CSS for a seamless user experience across devices.

EDUCATION

Bachelor of Science in Computer

University of Engineering and Technology • Lahore • 2026 • 3.45

FSc Pre Engineering

Govt. Islamia College Civil Lines • Lahore, Punjab, Pakistan • 2022

CERTIFICATIONS

Star Performer Award

University of Engineering and Technology Lahore • 2023

- Certified in Programming Fundamentals and Object Oriented Programming

SKILLS

Languages: Python, C++, C#, JavaScript, TypeScript, SQL, HTML5, CSS3

Stacks: Next.js, Vite, React, Node.js, Express.js, Flask

Databases: MongoDB, MSSQL

Machine Learning & AI: Scikit-learn, OpenCV, MNIST Classification, AI Algorithms, Data Preprocessing

Cybersecurity: Zero Trust Architecture (ZTA), Role-Based Access Control (RBAC), Identity Verification, Secure Application Design

Tools & Platforms: Git, GitHub, Jira, VS Code, Vercel

Other Skills: REST APIs, Agile Methodologies, Debugging & Testing, UI/UX Design, Cross-Platform Development, Project Management