

Abdullah Zulfikar

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EDUCATION

Punjab University College of Information and Technology (PUCIT)

Lahore, Pakistan

B.S in Computer Science

Expected Graduation: June 2027

- **GPA:** 3.20/4.00
- **Relevant Coursework:** Data Structures & Algorithms, System Design, Artificial Intelligence

PROFESSIONAL EXPERIENCE

Freelance Software Developer

April 2025 - Present

- **Android Reverse Engineering**
 - Decompiled a third-party Android application and identified a security check executed during boot.
 - Modified logic to bypass the startup integrity validation and recompiled the application with custom signing.
 - Performed UI modifications by altering layout and resource files without access to original source code.
- **FBR Digital Invoicing Software**
 - Designed and implemented a backend module in Python to generate FBR-compliant digital invoices, including tax calculation and invoice formatting.
 - Integrated the solution into a MySQL-based system and automated PDF invoice generation for client workflows.

PROJECTS AND OPEN SOURCE

OWASP ZAP (Zed Attack Proxy)

Dec 2025 - Jan 2026

- Contributed to the ZAP Extensions repository [PR #7013](#) (Merged). Added functional unit tests in ascanrulesBeta.
- Improved regression safety of security scanning logic and worked within an established CI/CD and code review workflow.

Bus Tracking System

Feb 2025 – June 2025

- Built and deployed a university bus tracking app using Flutter and Fast API.
- Reduced battery consumption by 30% using scheduled GPS tracking and achieved sub-2-second update latency using Firebase real-time sync.
- Github: [Bus-tracking-system](#)

Global Chat Application

June 2025 – July 2025

- Implemented a real-time chat application using Node.js, Express, Socket.IO, MongoDB, and React. Designed JWT-based authentication and handled real-time message delivery using WebSocket connections.
- Deployed the application on cloud hosting platforms: [Chat-App](#)

Data Analysis Web App

March 2025 - April 2025

- Designed a Django-based data analysis pipeline supporting CSV/Excel/JSON ingestion with server-side statistical processing.
- Github: [Data-Visualization](#)

SKILLS

Languages: Java, Python, C/C++, Javascript

Frameworks: Django, Fast API, Node.js, Flutter, Servlets

Databases: MySQL, PostgreSQL, MongoDB, Firebase

Tools: Git, Linux, Bash, Android Studio, ADB, CMake

Cloud & DevOps: AWS, CI/CD, Docker Compose

Security: Penetration Testing, Proxy Chains, Kali Linux

ACTIVITIES AND LEADERSHIP

Leetcode: Solved 200+ LeetCode problems related to Data Structures and Algorithms.

Hackathons: Participated in multiple University Hackathons, being in the top 10 most of the time.

Arch Linux Dotfiles: Customized Arch Linux Hyprland environment using shell scripting and bash inspired by JaKooLit dots.