

Abdullah Zulfiqar

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EDUCATION

Punjab University College of Information and Technology (PUCIT)

B.S in Computer Science

Lahore, Pakistan

Expected Graduation: June 2027

- Relevant Coursework: Data Structures & Algorithms, System Design, Artificial Intelligence, Operating Systems

PROFESSIONAL EXPERIENCE

Freelance Software Developer

April 2025 - Present

- **Android Reverse Engineering(Authorized)**
 - 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) & Haiku OS

Dec 2025 - Jan 2026

- Contributed to the ZAP Extensions repository [PR #7013](#), [PR #7058](#) (Merged). Added unit tests in ascanrulesBeta. Improved regression safety of scanning logic and worked within an established CI/CD and code review workflow.
- Contributed to Haiku OS by submitting patches through the Gerrit review system. Implemented Btrfs Zstd decompression logic to handle inline contents [Ticket #10309](#) and refactored kernel error handling to replace panics with error codes in the Btrfs module [Ticket #10263](#).

Bus Tracking System

Feb 2025 – June 2025

- Built 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

- Automated data ingestion for CSV, Excel, and JSON formats using a Django-based pipeline. Engineered server-side processing for instant statistical analysis and visual reporting.
- 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, AWS, CI/CD, Docker Compose

Security: Penetration Testing, Proxy Chains, Kali Linux

ACTIVITIES AND LEADERSHIP

Leetcode: Solved 250+ LeetCode problems related to Data Structures and Algorithms.

Hackathons: Actively Participated in multiple University Hackathons.

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