

MUSTAFA MURTAZA DOHAD

+92-3300009076 • mustafamurtazadohad@gmail.com • Karachi Pakistan

[Portfolio](#) | [Github](#) | [LinkedIn](#)

EDUCATION

DHA Suffa University

Bachelors of Computer Science (3.43 CGPA)

Karachi, Pakistan

Expected (Fall 2027)

SUMMARY

Full-stack developer with a strong foundation in C/C++, JavaScript, React, MySQL, PHP, Python and Java. Experienced in leading high-impact technical projects and public-facing events, with a focus on building scalable, user-driven solutions. Combines technical versatility with proven leadership in both engineering and organizational roles.

PROJECTS

ExpenseFlow - Personal Finance WebApp | PHP, MySQL, JavaScript, HTML/CSS

July 2025

- Designed and deployed a **full-stack** personal finance web application enabling users to track, filter, and analyze expenses in real time.
- Architected a **secure PHP/MySQL** backend with **RESTful API endpoints**, session management, and **bcrypt password hashing** for authentication.
- Integrated **Chart.js** visualizations to **deliver clear insights** into spending patterns, top categories, and monthly trends.

NFA Simulator | Python 3, PySimpleGUI, Graphviz, OOP

June 2025

- Built a **GUI-based NFA simulator** in Python using **PySimpleGUI** to visualize and test non-deterministic finite automata interactively.
- Engineered a dynamic **transition table editor**, enabling **real-time configuration** of states, alphabets, and transitions.
- Developed a real-time **simulation engine** for **testing input strings** against user-defined NFAs with **immediate visual feedback**.
- Integrated **Graphviz** visualization to **render** the NFA as a **PNG** diagram, improving clarity and debugging for users.

Employee Management System | Java (Swing), MySQL, JDBC, Maven

August 2024

- Designed and implemented a **desktop-based employee management tool** with a responsive **Java Swing GUI**.
- Integrated **MySQL** via **JDBC** to enable real-time creation, retrieval, updating, and deletion of employee records.
- Structured the application with **modular views** and **clean separation of concerns**, improving scalability and code maintenance.

LEADERSHIP EXPERIENCE

Director of Management / Host

Jan 2025 - Present

Public Speaking Society, DHA Suffa University

- Led a 3-phase public speaking competition with **6+ universities** and **150+ attendees**.
- Hosted** the **inter-university finale**; commended by faculty and judges for execution and presence.
- Directed** and promoted **5+ society events**, increasing audience engagement by **40%**.

TECHNICAL SKILLS

Languages: C, C++, Java, JavaScript, Html, CSS, Python, MySQL, NodeJS, React, Tailwind CSS, PHP

Tools: OOP, Git, Netlify, Heroku, JIRA, VSCode, IntelliJ, Oracle, Microsoft Office Suite

Operating Systems: Windows, macOS, Linux (Ubuntu)

CERTIFICATIONS / LICENSES [Link](#)