





AMAL ABDUL REHMAN KHALILI

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Ambitious Software Engineering student with strong programming, UI/UX, testing, and requirement analysis skills. Quick learner with leadership and time management abilities, committed to building reliable, user-friendly solutions.

Education

2022 – till date

FAST National University of Computer and Emerging Sciences, Karachi

BS(Software Engineering) Program with CGPA 3.71

2020 – 2022

Cedar College, PECHS, Karachi

A-Levels (Pre-Engineering), 3 As out of 3

2007 – 2020

Beaconhouse School System, Karachi

O-Levels (Pre-Engineering), 2 A*s & 7 As out of 9

Skills

- **Programming Languages:** Java, C. Basics of Python and Bash scripting
- **Web Application Development:** HTML, CSS, JavaScript (Basics), Node.js, React, Express, ASP.NET, Spring, Spring Boot, Three.js
- **Software (Desktop-based) Development:** JavaFX and Java Swing.
- **Tools & Technologies:** Figma (UI/UX design), Scene Builder, IntelliJ IDEA, VS Code, GitHub, Git.
- **AI/ML:** Scikit-learn, Pandas, NumPy, basic model training and evaluation.
- **Soft Skills:** Teamwork, Time Management, MS Office Suite (Word, Excel, PowerPoint)

Projects

HR Management System Web Application

Technologies: Node.js, React, Express, Tailwind, ShadCN, Python, NeonDB (PostgreSQL).

- Developed a full-featured HR management system supporting HR professionals, employees, and job candidates.
- Implemented modules for employee management, attendance and leave tracking, payroll, and performance evaluations.
- Built an automated recruitment portal and integrated AI-based resume matching using Python.
- Built a responsive React frontend with HR/employee dashboards and integrated role-based access, sessions, and real-time alerts using Express.

Majestic Travel Web Application

Technologies: Node.js, React, Express, CSS, Oracle SQL, Figma, Selenium IDE

- Developed a travel web application with features like browsing destinations, booking services (car, hotel, flight), and integrated reviews.

- Designed a user-friendly prototype with Figma.
- Implemented session management and integrated the application with Oracle SQL to secure user interactions and retrieve data.
- Conducted automation testing using Selenium IDE, developing test suites for core functions like navigation, user authentication, and action flow.

Car Rental Software

Technologies: JavaFX, Scene Builder.

- Desktop-based system for car bookings and reservations.
- Enabled CRUD operations using file handling.

Personal Academic Assistant

Technologies: C

- Developed a terminal-based academic assistant with features like student records, mark entry, announcements, and task reminders.

Certifications

- **Dean's List (Fall 2022 – Fall 2025)** — Awarded for **five consecutive semesters** based on academic excellence.
- **Google AI Essentials Certification** — Coursera
- **Python Workshop Certificate** — conducted by Cedar College Society

Experience

Aug 2024 – Jan 2025

Teaching Assistant — FAST National University

- Supported Software Design & Analysis course. Evaluated projects and mentored students.

Aug 2023 – Jan 2024

Teaching Assistant — FAST National University

- Assisted in a Calculus & Analytical Geometry course. Graded assignments and supported students in tutorials.

Jun 2021 - July 2021

Alhamd Alliance Trading Internship — Chemical Processing Plant

- Witnessed product prototype testing, monitored experiments, and recorded data.
- Gained problem-solving skills and learned to handle high-pressure situations.

Achievements

- **Runners up** in the Game Development Competition held at DevDay 2023 at FAST NUCES.
- Participated in a 3-day Hackathon and Design Thinking Workshop organized by Asaani.io at NASTP.
- Participated in Web Development Competition at CollabQuest 2025 at FAST NUCES.
- Participated in UI/UX Competition held at DevDay 2024 at FAST NUCES.
- Participated in Speed Debugging in Java and C Language at Coders Cup at FAST NUCES.