

# MUHAMMAD MAAZ

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## SUMMARY

Motivated and adaptable Computer Science student with hands-on experience in **full-stack** and **mobile development**. Skilled in building **cross-platform** applications using **Flutter**, with additional experience in **C++**, **Java**, **Node.js**, and **REST API** integration. Passionate about exploring new technologies, solving real-world problems, and building impactful solutions.

## PROJECTS

### Insightify(Digital Firewall against AI Scams)

Flutter | Kotlin | Node.js | NestJS | React | TypeScript | FastAPI | PostgreSQL | Gemini API

- Built a cross-platform scam detection application using **Flutter**, implementing **native Kotlin modules** for Android Accessibility Services to execute real-time text analysis.
- Architected a unified backend utilizing **Node.js**, **NestJS**, and **FastAPI** with a **PostgreSQL** database to serve both the mobile application and a **React/TypeScript** web portal, integrating the **Gemini API** to power threat analysis and awareness feeds.
- Developed the platform as a selected project for the **UN Millennium Fellowship** (Class of 2025).

### Splitzy(Expense splitting and tracking application)

Flutter | Dart | Firebase (NoSQL & Auth) | REST API Integration

- Developed a cross-platform mobile application using **Flutter** to handle smart expense allocation and integrated **REST API** for dynamic multi-currency conversions.
- Integrated **Firebase** to manage secure user authentication, session management, and real-time data synchronization across devices.

### Vehicle Rental Management System

Java Swing | MySQL | XAMPP | Object-Oriented Programming (OOP)

- Created a desktop application to automate real-time vehicle bookings, damage reporting, and continuous inventory tracking.
- Integrated a relational database to manage secure transactional record-keeping and streamline rental operations.

### The Cinemique Aura Project

(HTML | CSS | JavaScript | RESTful APIs (TMDb))

- Built a responsive movie discovery web application providing an intuitive UI/UX for browsing films seamlessly across devices.
- Integrated asynchronous API calls to fetch and render dynamic movie data, comprehensive reviews, and real-time user ratings.

### Hospital ER Management System

Java | C++ | Data Structures (Hash Tables, Min Heaps) | Dijkstra's Algorithm | IPC

- Engineered a cross-language healthcare application integrating a Java Swing frontend with a C++ backend via custom inter-process communication.
- Implemented custom Hash Tables for O(1) patient lookups and graph traversal to calculate optimal hospital routing.

## EDUCATION

Aug 2024 - Aug 2028

Air University Islamabad

Bachelor of Science in Computer Science

## ADDITIONAL INFORMATION

- Technical Skills:** C++, Java, Python, Dart, TypeScript, React, JavaScript, HTML/CSS, SQL, MongoDB, Firebase, Flutter, Git/GitHub, Jenkins, CI/CD.
- Soft Skills:** Project Management, Team Leadership, Technical Communication, Complex Problem-Solving, Adaptability.
- Languages:** English and Urdu
- Certifications:** Google Foundations of Project Management, IBM Intro to DevOps, KodeKloud (Jenkins, Git)

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## KEY ACHIEVEMENTS & FELLOWSHIP

- **Graduate, United Nations Millennium Fellowship (Class of 2025):** Selected for global leadership and social impact from a pool of 68,000+ international applicants (Top 4%).
- **Winner, FAST Soventure Pitchfest (2025):** Awarded 1st place for the Insightify technical architecture and business model, securing official AUBIC incubation.
- **2nd Runner-Up, Hult Prize On-Campus:** Placed in the top 3 out of 60+ competing startups with the Insightify platform.