

# Muhammad Kaleem Akhtar

Computer Science Student | Software Development & Product Management

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## SUMMARY

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Computer Science student at FAST NUCES Islamabad (Expected Graduation: August 2027) who shipped a full React frontend at HackUPC 2026 - Europe's largest in-person hackathon - in 36 hours as sole frontend developer. Hands-on experience building AI-integrated platforms, full-stack web apps, and Android applications. Co-author of a submitted IEEE conference paper on GenAI and autonomous agents. Recognized as Top Trainee at Ai DataYard and selected as a Stanford Code in Place Section Leader.

## EDUCATION

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### National University of Computer and Emerging Sciences (FAST NUCES) - Islamabad

**BS Computer Science** | August 2023 - August 2027 | Expected Graduation: August 2027

**Relevant Coursework:** OOP, Data Structures, Database Systems, Operating Systems, Android Development, Fundamentals of Management, Technical and Business Writing

## TECHNICAL SKILLS

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**AI & Integration:** Gemini AI (2.5 Flash), Firebase Generative AI SDK, Agentic Pipeline Design, REST API Integration

**Full-Stack Web:** React 18, Vite, JavaScript (ES6+), HTML5/CSS3, Tailwind CSS, Material UI, Fabric.js, PWA, Vercel

**Mobile (Android):** Kotlin, Jetpack Compose, XML Layouts, RecyclerView, Android Studio, SQLite, Firebase SDK

**Backend & Cloud:** Firebase (Firestore, Auth, Realtime DB, Cloud Messaging), Cloudflare Workers & KV

**Programming:** C++, C, Python, x86 Assembly, Kotlin, JavaScript

**Databases:** SQL, MySQL, SQLite, Firestore

**Product & Design:** Agile, KPI Tracking, Product Roadmaps, User Research, Wireframing, Figma, Canva

**Tools:** GitHub, Docker, Postman, Android Studio, VS Code, ClickUp/Jira, Microsoft Excel, Google Suite

## PROJECTS / OPEN-SOURCE

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### QuickDine AI - Pre-order & Dine-in Recommendations

#### Google Gen AI Academy APAC - Meet the Builders Campaign

- Built a full-stack AI dine-in platform integrating Gemini 2.5 Flash for personalized restaurant recommendations based on a 5-question taste onboarding quiz; includes real-time Firestore order tracking and a Kanban kitchen operations board.
- Implemented Google/email auth, localized ambiance filters, dine-in cart with arrival time slots, AI chat assistant, and a review system updating ratings via Firestore transactions.

Live Demo: [quickdine-one.vercel.app](#)

Technologies: React 18, Vite, Tailwind CSS v4, Firebase v10, Gemini 2.5 Flash, Vitest, Vercel

### DreamTrip - AI Travel Companion (HackUPC 2026 - Barcelona)

#### Europe's largest in-person hackathon | Sole frontend developer on 4-person onsite team | April 2026

- Shipped a complete React + Material UI frontend in 36 hours: emotional search bar, ranked destination cards, and voice narration playback integrated with a FastAPI backend (Google Gemini + ElevenLabs).

Devpost: [devpost.com/software/dreamtrip](#)

Technologies: React, Material UI, FastAPI, Google Gemini, ElevenLabs

### AIDEN - AI Crisis Intelligence & Response Orchestrator

#### Google Antigravity Hackathon 2026

- Built an agentic Android app processing English and Roman Urdu distress reports through a three-agent pipeline (Sentinel, Planner, Executor) powered by Gemini AI, with real-time crisis maps and JSON log exports.

Technologies: Kotlin, Jetpack Compose, Material 3, Gemini AI, Firebase, Android Studio

## IntraMap - Indoor Navigation Platform

- Full-stack web app with a drag-and-drop floor plan editor, Cloudflare Workers + KV cloud save, QR code generation for instant visitor access, and offline PWA support with pan/zoom smart search.

Live Demo: [intra-map-six.vercel.app](https://intra-map-six.vercel.app)

Technologies: JavaScript, Fabric.js, Cloudflare Workers & KV, HTML5/CSS3, PWA, Vercel

## ClassroomSync Tasks - Chrome Extension

- Chrome extension that auto-converts Google Classroom announcements into Google Tasks with regex-based due date extraction, priority tagging (High/Medium/Low), per-course filters, configurable sync intervals, and duplicate prevention - fully local, no external servers.

Technologies: JavaScript ES Modules, Manifest V3, Google Classroom API, Google Tasks API, Chrome Storage API

## Socially - Android Social Networking Application

- Feature-complete Android social app with posts, stories, messaging, and push notifications; integrated Firebase Auth, Realtime Database, and Cloud Messaging; tested with Postman and Espresso UI test cases.

Technologies: Kotlin, XML, Firebase, SQLite, REST APIs, Postman, Espresso

## **EXPERIENCE & LEADERSHIP**

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### Career Launchpad Trainee - Ai DataYard

July 2025 - August 2025

- **Top Trainee** out of 12 participants in a 7-week program; designed marketing content for Ai DataYard's bootcamp and published LinkedIn posts achieving 13,972 impressions.
- Delivered a capstone product pitch (PakHandy), gaining practical experience in problem framing and stakeholder communication.

### Section Leader - Code in Place (Stanford University)

April 2025 - June 2025

- Taught Python to 10-12 global learners via weekly Zoom sessions; iterated session content using Google Forms feedback to maintain high engagement.

### Hosting & Operations Member - FAST Software Engineering Society

August 2024 - 2025

- Hosted university events including a 300+ attendee Welcome Party and a Cryptocurrency seminar; coordinated TEDxFAST (Feb 2026) front desk and served as company liaison at the FAST-NUCES Job Fair (May 2026, 200+ companies).

## **VIRTUAL EXPERIENCE PROGRAMS**

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### Product Management Intern - Electronic Arts

Forage | July 2025

- Defined KPIs for an RPG mobile game strategy and crafted a data-driven product pitch covering product-market fit and retention, aligning business goals with user experience metrics.

### Project Management Intern - Siemens Mobility

Forage | July 2025

- Developed strategic KPIs and managed dashboard reporting for a rail infrastructure project; adapted scope based on shifting stakeholder priorities.

## **CERTIFICATIONS**

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- [LinkedIn Learning: Explore a Career in Product Management](#)
- [HackerRank SQL Certification](#)
- [Google Soft Skills Program \(PAFLA\)](#)

## **LANGUAGE PROFICIENCY**

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**English:** C2 Proficient - EF SET Certificate (Score: 73/100 | Reading: C2 75/100 | Listening: C1 70/100) [View Certificate](#)

**Urdu / Punjabi:** Native

## HONORS & ACTIVITIES

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- Community Seminars (Freshman Forward): Led university admission seminars for 400+ students as Team Co-Lead, achieving 90%+ satisfaction rate - supporting SDG 4 (Quality Education).
- MIT Informatics Tournament M(IT)^2 Winter 2025: Competed in algorithmic problem-solving in C++.