

AHMAD FARAZ

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Education

Lahore University of Management Sciences

Sep. 2021 – May 2025

Bachelor of Science in Computer Science

Lahore, Pakistan

Dean's Honor List: 2021-2025 CGPA: 3.79

Relevant Courses: Software Engineering, Databases, Generative AI, Cloud Development, Machine Learning, Deep Learning, Operating Systems, Business Communication

Experience

Tajir (YC W20)

June 2025 – July 2026

Full-Stack Engineer

Lahore, Pakistan

- Built and led delivery-operations systems in **Python Flask, PostgreSQL, Retool, and Kotlin (Android)** for a B2B commerce platform moving **4,500+ orders/day** across 62 service zones, including a handcart-batching algorithm, shift-scheduling dashboard, and rotational-driver assignment system.
- Owned end-to-end design and development of **order-editing** and **cancellation-reason** features, taking customer-facing flows from backend to Android UI and driving a **10x increase** in structured customer feedback within 10 days of launch.
- Root-caused and fixed a critical driver-pairing bug affecting delivery dispatch, reducing incidents from **2-5/week to zero**; led on-call incident response, resolving a live production outage affecting 143 pending orders in **8 minutes**.
- Diagnosed and resolved a delivery-planning failure that had orphaned **190+ deliveries**, shipping an automated recovery system to prevent recurrence; redesigned an analytics workload to eliminate a **\$270/month** recurring cloud cost.

Teach Smart

Dec. 2024 – May 2025

Machine Learning Engineer

Newark, DE (Remote)

- Developed and deployed a **Retrieval-Augmented Generation (RAG) chatbot** using **Python Flask** and **Pinecone vector database**, assisting students and parents according to **state-aligned curricula** with optional **quiz generation** feature.
- Owned end-to-end **ML engineering, API development, and MLOps** in a **fast-paced startup**, optimizing **LLM responses** through **prompt engineering**, managing **data pipelines**, and ensuring **system reliability**.

Internships

Motive Inc. (Formerly KeepTruckin)

June 2024 – Sep 2024

Intern – AI Foundation Team

Remote

- Developed a **Flask-based application** to visualize **computer vision model predictions** using **Voxel FiftyOne**, enabling seamless **dataset retrieval** from **AWS S3** and **streamlining model validation workflows**.
- Optimized backend by implementing **dynamic dataset loading from AWS S3** and **model detections**, reducing **storage overhead** and improving **evaluation speed**, while collaborating in a **remote, multi-time-zone team**.

Devsinc

July 2023 – Sep. 2023

Full-Stack Developer Intern

Lahore, Pakistan

- Built a **food delivery platform** and a social media post application using the **MERN stack**, implementing **JWT authentication** for secure user access and ensured a smooth user experience.

Projects

ReplyGenie | React, FastAPI, PostgreSQL, OpenAI, Supabase

March 2026

- Developed an AI-powered **Outlook add-in** using **React** and **Office.js** that automatically generates contextual email replies from conversation history and CRM data using **GPT-4o-mini**.
- Designed and deployed a multi-tenant SaaS architecture with **FastAPI, PostgreSQL, Supabase Auth, and JWT-based access control**, supporting secure tenant isolation, draft-history tracking, and scalable cloud deployment.

Indoor Vision and Language Navigation Agent | Llama 3.2, LLaVA Next, Python, Matterport3D, GPT

Sep. 2024 - May 2025

- Utilized **open-source models** for **vision** and **language-based navigation** using **Matterport3D simulator** for **indoor house datasets** and **Room2Room dataset** to define **navigation goals**.
- Developed a **novel pipeline** that uses **textual goals** and **step-by-step images** for **indoor navigation**.
- Self-prompting chain model**, requiring only a **single initial goal prompt** to begin.

IntelliLearn | MERN

Jan. 2024 – May 2024

- Built an **AI-powered ed-tech platform** enabling **course exploration, enrollment, community engagement**, and **personalized learning** with a **GPT-3.5 chatbot** and **text summarization**.
- Developed a **timed quiz system** with **concept feedback**, integrated **React Redux** for state management, and implemented **student/admin dashboards** for performance tracking.

Technical Skills

Languages: Python, Javascript, Typescript, C++, C, Haskell, SQL, LaTeX, Kotlin

Technologies/Frameworks: LangChain, Pinecone, Chroma, Flask, FastAPI, MongoDB, Express.js, React.js, Node.js (MERN), PyTorch, Keras, Tensorflow, OpenCV, Pandas, Numpy, NLTK, Scikit-learn

Developer Tools: AWS, Docker, Git, n8n, Retool, Jira, Slack, Jupyter, VS Code, Cursor, Firebender, Android Studio, Supabase, Claude Code