

Muhammad Ammar Sohail

Computer Science Student

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OBJECTIVE

Junior Computer Science student at KFUPM interested in building AI-powered projects. Experienced across deep learning and LLM-powered applications through projects and the KAUST AI Summer School. Seeking an applied AI role where I can build solutions that make an impact.

EDUCATION

Bachelor of Science in Computer Science

09/2023 – 05/2027

King Fahd University Of Petroleum and Minerals

- GPA: 3.90/4

EXPERIENCE

KAUST Academy Artificial Intelligence Summer School

06/2025 – 08/2025 | Thuwal, Saudi Arabia

King Abdullah University of Science and Technology

- Selected as one of 100 students from ~10,000 applicants for a prestigious AI summer camp
- Explored advanced topics ranging from Natural Language Processing, Reinforcement Learning, and Computer Vision over 8 weeks

Teaching Assistant

02/2026 – 02/2026

King Abdullah University of Science and Technology

- Served as a TA for KAUST Academy **Stage 3: Advanced AI**, supporting ~120 students at KFUPM
- Delivered lab sessions covering core CV applications including **image classification, segmentation, and object detection**, reinforcing lecture material through practical exercises.

PROJECTS

AI Salesman - Jarir Bookstores

06/2025 – 08/2025

Python, FastAPI, LangChain, LangGraph, React, Tailwind, Vite

- Built an AI Salesman **browser extension** for Jarir Bookstores that helps users search and compare products through chat as part of my KAUST Academy project
- Implemented retrieval and ranking over a **catalog of ~500 products** including categories such as gaming PCs, laptops, desktops and tablets.

qudratprep.com (in progress)

Next.js, TypeScript, Tailwind CSS, Supabase, Vertex AI

- Currently building **qudratprep**, a full-stack **exam preparation platform** for high school students.
- Designed dashboards showing progress, streaks, and performance trends to support habit-driven learning.
- Built a **Vertex AI (Gemini)** pipeline to extract questions from **300+ images** and regenerate math/geometry figures for interactive practice.

CandidCam

Python, MediaPipe, dlib, FastAPI

- Built a computer vision **system for searching personal photos** in collections of **4,000+ images**
- Implemented an end-to-end pipeline for **face detection, embedding, indexing, and similarity search**.
- Designed a backend API enabling real-time face matching with **under one-second response times**.

Deep Reinforcement Learning for Anti-Jamming

09/2025 – Present

Wireless Communications

- Vertically Integrated Research course at KFUPM throughout the Fall 2025 semester

AWARDS AND ACTIVITIES

- KFUPM College of Computing and Mathematics Dean's List (2025),
- KFUPM Mentorship Program Mentee (2024),
- 1st Place - KFUPM FabLab Rocket Competition (2025)