Ali Shaikh

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Professional Summary

Final-year Computer Engineering student with a strong foundation in front-end development and expertise in cloud computing. Served as a Google Cloud Arcade Facilitator, cultivating hands-on experience in deploying and managing cloud solutions. Recognized for a competitive mindset, innovative thinking, and exceptional problem-solving abilities gained through diverse technical projects. Actively advancing skills in AI, LLMs, and advanced computing, with a commitment to staying ahead in an ever-evolving technology landscape. Eager to apply technical expertise and leadership to future projects and team environments.

Skills:

Languages & Frameworks: Python, SQL, JavaScript, FastAPI, React, C++, TensorFlow, PyTorch, Scikit-learn, Langchain, Pandas, NumPy

Tools & Technologies: Git, Github, Visual Studio Code, Chrome DevTools, AWS (RDS, EC2, Amazon S3, CloudFront, Lambda, CloudWatch, GCP (Vertex AI, Cloud Run, BigQuery

Web & Visualization: HTML/CSS, Tailwind, Firebase

Projects:

Querify

- Built Querify, a web application that generates and explains SQL queries from user-uploaded CSV data using natural language input. Streamlit frontend and managed backend logic in Jupyter Notebook for processing and LLM interaction.
- Integrated and fine-tuned the **Ollama LLM** (via Hugging Face and Unsloth) for accurate SQL query generation.
- Leveraged tools like pandas, **langchain_ollama**, and requests to enable dynamic data parsing, prompt handling, and local model orchestration.

Quizzora

- Developed **Quizzora**, an innovative educational web platform that automatically generates interactive quizzes and concise summaries from uploaded educational videos using advanced AI techniques.
- Engineered an AI-powered backend with Python, **FastAPI, LangChain, ChromaDB**, and **Whisper AI** to analyze video content and create dynamic, topic-relevant questions.
- Implemented robust API integration using **Axios** and managed state with React Router, ensuring smooth communication between the frontend and backend for real-time quiz generation and data retrieval.

Education:

University of Mumbai   **(Nov 2022 – Present)**
Bachelor of Engineering (Computer Science)
Relevant Coursework: Cloud Computing, Computer Networks, Databases, Documentation, Machine Learning, Management Information Systems, Data Structures & Algorithms, Object Oriented Programming

Leadership & Responsibilities:

Co-Facilitator (Program Manager – GCAF25), Google   **(March 2025 – Present)**
- Advocating Google Cloud Platform training and promoting the **Google Cloud Arcade Facilitator Program**
- Conducting Technical Workshops, Creating Solution Videos related to Google Cloud Platform training individuals
- Successfully t**rained 2000+ individuals on GCP fundamentals** & real-world cloud applications and negotiated 5+ strategic partnerships with leading tech communities and organizations including countries as Germany and Tunisia

Co-Founder | ArcadeOps Community   (Jan 2024 – Present)
- Built and scaled a **community of 400+ tech enthusiasts**, fostering learning and collaboration.
- **Organized workshops, cloud challenges, and cohort programs**, driving active participation.
- **Facilitated Google Cloud Arcade Program**, enabling members to earn skill badges and certifications.
- **Collaborated with multiple GDGs globally** to host joint sessions and share resources, expanding reach and engagement.
- Spearheaded **community engagement strategies**, improving retention and delivering impactful learning experiences