

Faizal Shaikh

AI Engineer

github.com/Silverfang180 | candidates.intervues.club/u/faizal-shaikh

SUMMARY

AI Engineer candidate with experience building infrastructure-grade LLMOps, agentic document intelligence platforms, and deep learning models. Proficient in end-to-end RAG workflows, model optimization, and visual speech recognition. Solid academic background in engineering with key domain certifications.

EDUCATION

Theem College of Engineering – University of Mumbai Boisar · B.E. · 2022 – 2026

SKILLS

Languages and Frameworks: CSS, Jupyter Notebook, Python, Shell, FastAPI, Keras, LangChain, LangGraph, React (TypeScript), Scikit-learn, Streamlit, TensorFlow

Databases: PostgreSQL

Tools: AWS, Docker, FAISS, Feature Engineering, GCP, Gemini Embeddings, Git, Google Gemini API, Groq LLaMA 3, IBM Cloud, LLM Integration & Evaluation, NumPy, OpenCV, Pandas, Prompt Engineering, RAG (Retrieval-Augmented Generation), spaCy, Vector Search

PROJECTS

Chronicle – Infrastructure-Grade LLMOps Platform

Architected immutable prompt versioning with hash-linked history and a production-promotion workflow. Engineered a Pareto Frontier optimization engine for model selection. Architected immutable prompt versioning featuring hash-linked history and a production-promotion workflow. Engineered a Pareto Frontier optimization engine to automate and refine model selection processes.

FastAPI, React (Vite), PostgreSQL, SQLAlchemy, Groq, Tailwind CSS, Docker

SourceX – Agentic Document Intelligence & Evidence Retrieval Platform

Built a document-grounded retrieval pipeline covering extraction, text cleaning, chunking, metadata preservation, embeddings, FAISS similarity search, and RAG/LangGraph workflows. Built a document-grounded retrieval pipeline covering extraction, text cleaning, chunking, metadata preservation, and embeddings. Implemented FAISS similarity search alongside advanced RAG and LangGraph agentic workflows.

Python, Gemini API, FAISS, LangChain, LangGraph

LipSense – Deep Learning Visual Speech Recognition

Developed a Conv3D encoder and bidirectional LSTM decoder trained on the GRID Corpus with CTC loss. Built a MediaPipe Face Mesh pipeline for real-time lip-region extraction. Developed a Conv3D encoder and bidirectional LSTM decoder trained on the GRID Corpus using CTC loss. Built a MediaPipe Face Mesh pipeline for real-time lip-region extraction and sequence modeling.

TensorFlow, Keras, OpenCV, MediaPipe, CTC

Additional projects: LeafLens – AI Plant Disease Detection & Multilingual System, OmniText – NLP & Text Analytics Platform

AWARDS

Winner – Smart India Hackathon (SIH) 2025, AWS – Data Engineering Certification, NVIDIA – Disaster Risk Monitoring Certification, IBM – AI Fundamentals & AI-Enabled Applications Certification, Google Cloud Skills Arcade Certification, Shell India/Edunet – Green Skills & AI Certification, Kaggle – Intro to ML Certification, Member – National Service Scheme (NSS)