

Falak Rana

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SUMMARY

Machine Learning Engineer in training with hands-on experience building **AI-driven applications, LLM-powered agents, and end-to-end ML pipelines**. Skilled in **neural networks, computer vision, NLP, and RAG systems**, with deployment experience using **Flask, FastAPI, and Docker**. Adept in SQL, MongoDB, and visualization tools like Tableau. Strong background in DSA and problem solving, with a focus on creating scalable, efficient, and production-ready solutions.

TECHNICAL SKILLS

Programming: Python, Java, JavaScript, SQL, HTML/CSS

Frameworks / Libraries: TensorFlow, PyTorch, Scikit-learn, OpenCV, Flask, FastAPI

Generative AI / LLMs: LangChain, LangGraph, Hugging Face, Ollama, RAG, Crew AI, Google ADK

Databases: SQL, MongoDB, FAISS, ChromaDB

Visualization: Tableau, Power BI, Excel, Matplotlib

Tools: Git, GitHub, Docker

EXPERIENCE

Machine Learning Intern

Jan 2025 – Apr 2025

UnifiedMentor (Remote)

Developed & deployed **6 ML projects** (TensorFlow/Scikit-learn) with Flask APIs for production use.

Optimized neural networks & ML models, enhancing predictive accuracy and performance.

Built reusable ML pipelines to streamline integration and deployment processes.

EDUCATION

Parul University

2022 – 2026

B.Tech in Computer Science Engineering

CGPA: 8.3/10.0

Green Valley High school

2022

12Th Grade

91.80%

PROJECTS

MultiAgent-Content-Generator

Flask, CrewAI

Developed a Flask-based **multi-agent system** (CrewAI) for platform-specific content generation irrespective of the social media platform.

Added persistent JSON logging for request tracking and history.

GitHub: Content Generator

PDF Analyzer

Google's Embeddings, PyPDFLoader, ChromaDB

An AI-powered web application that analyzes academic PDF files and answers user queries using Google Gemini via LangChain.

Simple Flask-based UI for uploading PDFs and asking questions.

GitHub: PDF Analyzer

Coursera QA Assistant

Gemini, Playwright, RAG

Built a browser extension for **in-context Coursera answers** using RAG and Gemini.

Improved learner efficiency by automating course content queries.

GitHub: Coursera QA App

CERTIFICATIONS

- **Data Science Bootcamp** (Udemy)
- **Excel for Data Analysis** (Coursera)

- **Tableau for Data Visualization** (Udemy)