Fateh Mohammed Shariff

+91 7259204303 | fatehmdshariff@gmail.com | Bangalore, Karnataka, India
LinkedIn: fatehmdshariff | GitHub: fatehmdshariff | Portfolio

SUMMARY

AI & ML engineering graduate with hands-on experience in backend development, machine learning, and real-time data systems. Built scalable projects including a bilingual sentiment analyzer, an energy forecasting dashboard, and a GenAI-based RAG system. Highly motivated and always eager to learn new technologies, solve real-world problems, and continually grow as a machine learning developer.

EDUCATION

CMR Institute of Technology (Affiliated to Visvesvaraya Technological University) Bangalore, India
B.E. in Artificial Intelligence & Machine Learning, CGPA: 7.6 *Oct 2021 – June 2025*

EXPERIENCE

Student Engineering Intern Sep 2023 – Jan 2024
TruVisor *Bangalore, India*
- Collaborated with the engineering team to gather and analyze client requirements.
- Gained hands-on exposure to cloud platforms (AWS, Azure, etc.) and deployment pipelines.
- Helped bridge communication between client-facing and technical teams, ensuring project goals were met efficiently.

Backend Engineering Intern Feb 2024 – June 2024
EkaCare *Bangalore, India*
- Contributed to backend development using Django, enhancing features like homepage data pipeline, health card generation, and period tracker module.
- Integrated a serverless data pipeline using AWS Lambda and SNS, improving system efficiency and real-time data flow.
- Worked cross-functionally with frontend and data teams to launch new product features.

PROJECTS

Bilingual Sentiment Analyzer | *Python, Scikit-learn, TF-IDF, Logistic Regression, Naive Bayes, Streamlit* GitHub
- Developed a bilingual sentiment classifier for English and Arabic text using TF-IDF, trained on 500K+ samples.
- Implemented robust preprocessing, tokenization, and real-time CLI prediction with high cross-lingual accuracy.

Energy Load Forecast Dashboard | *Streamlit, Scikit-learn, EIA API* GitHub
- Built a real-time energy consumption forecasting dashboard using Random Forest with data from the U.S. EIA API.
- Implemented scripts for automated data fetching and model retraining, enabling future deployment for continuous forecasting.

RAG (Retrieval-Augmented Generation) System | *Python, Gemini API, FAISS, Streamlit* GitHub
- Developed a GenAI-powered document assistant enabling natural-language Q&A over unstructured files (PDFs, CSVs, text).
- Built a custom FAISS-based retrieval pipeline and integrated the Gemini API for context-aware response generation in a Streamlit interface.

PneumoScan: Chest X-Ray Pneumonia Detector | *Python, TensorFlow, Keras, OpenCV, Streamlit* GitHub
- Developed a CNN-based model using the Kaggle Chest X-Ray dataset to classify chest images as Normal or Pneumonia with 81%+ accuracy.
- Deployed an interactive Streamlit web app for real-time predictions; Grad-CAM visualizations planned for future updates.

TECHNICAL SKILLS

Languages: Python, C, SQL
Frameworks: Django, Flask, Streamlit, Git, VS Code, Google Colab, AWS
Libraries: Scikit-learn, pandas, NumPy, FAISS, OpenCV, TF-IDF Vectorizer, Matplotlib, Seaborn
Core Skills: Machine Learning, NLP, Data Preprocessing, Feature Engineering, Model Evaluation (MAE, RMSE, R^2), Model Deployment, API Integration, Computer Vision, Data Visualization, Version Control (Git)