

Rizvan Ali Asherf

Data Science & AI/ML Engineer

+91 9567720324 | rizvanwork293@gmail.com | [LinkedIn](#) | [GitHub](#) | [LeetCode](#)

Summary

Self-taught Data Scientist with hands-on experience in AI-powered solutions, including Machine Learning, Deep Learning, and Predictive Analytics. Skilled in building end-to-end data-driven applications—covering data collection, EDA, feature engineering, model development, and deployment. Proficient in Python, SQL, and Git, with strengths in statistical modeling, algorithm optimization, and interactive data visualizations. Passionate about applying Generative AI, LLMs, Transformers, and RAG pipelines to solve real-world problems and drive data-informed decisions.

Technical Skills

Languages: Python, SQL (Postgres)

AI/ML: Machine Learning, Deep Learning, Generative AI, Transformers, LLMs, RAG, RNN, LSTM, CNN, GAN, VAE

Frameworks: TensorFlow, PyTorch, Keras, Scikit-learn, Hugging Face, NLTK

Web: HTML, CSS, Django, Streamlit

Visualization: Pandas, NumPy, Seaborn, Matplotlib, Tableau, Power BI

Others: Mathematics, Statistics, Data Structures & Algorithms

Projects

Skin Disease Detection

[Live Link](#) [GitHub](#)

Built a dermatological disease detection system using the InceptionV3 model with TensorFlow and Keras, achieving 90% accuracy. Preprocessed the DermNet dataset for optimal model performance and integrated a GAN for FAQ-enabled chatbot to deliver instant responses on common skin conditions.

Tech: Python, TensorFlow, Streamlit, Scikit-learn, CNN

Face Detection

[GitHub](#)

Implemented face detection using MTCNN and extracted image embeddings with the Inception-ResNetV2 model. Integrated both front end and back end using Streamlit to deliver a seamless and interactive user experience.

Tech: Streamlit, Tensorflow, Sklearn, Opencv, FAISS

Chit Chat Bot

[GitHub](#)

Developed a conversational AI chatbot using DialoGPT, fine-tuned on a text dataset from Hugging Face. Gained hands-on experience in Natural Language Processing (NLP), transformer models, and fine-tuning pre-trained language models for dialogue generation.

Tech: Transformers, Peft, Streamlit

TALKEE.AI

[GitHub](#)

Developed a communication assistant app designed with six training methods, including storytelling, interviews, and listening exercises. Integrated XAI API calls for machine learning support and implemented progress-tracking metrics to monitor user improvement and enhance engagement.

Tech: Xai, Prompt Engineering, Streamlit, Speech Recognization

Education

Data Science and AI

Prototype, Kochi

2024 – Present

Bsc In Hotel Management And Catering Science

Munnar Catering College

2017 – 2020