Uvais Saifi

Data Scientist

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Education

IGNOU
Bachelor of Computer Applications
2022 – 2025 | New Delhi, India

Profile

Highly motivated Data Scientist with a Bachelor of Computer Applications and hands-on experience in building AI/ML solutions, specializing in Natural Language Processing and Generative AI. Proficient in Python, TensorFlow, Keras, and cloud platforms like Google Cloud (Vertex AI), seeking to leverage strong analytical and development skills to contribute to innovative data-driven projects.

Projects

Mental Health AI App 🔗
Python · KivyMD · Gemini AI · RAG · TTS
- Developed a mental health app with CBT and LOA tools powered by Gemini AI.
- Implemented RAG for personalized, context-aware journaling.
- Added voice journaling, mood tracking, and speech-to-text/TTS features.
- Integrated Black Forest AI for visual affirmations and progress tracking.

Anime Recommendation System End-to-End 🔗
Python · Flask · Scikit-learn · HTML/CSS/JS
- Developed a content-based recommendation system utilizing TF-IDF and cosine similarity with Pandas and Scikit-learn.
- Integrated the model with a Flask backend and created a responsive frontend using HTML/CSS/JavaScript.
- Deployed to Heroku and produced a demo video to showcase project functionality.

Flexible Emotion Detector 🔗
Python · Streamlit · CNN · LSTM · NLP
- Built a multi-modal emotion detection system for text, voice, and image inputs.
- Trained CNN for facial emotion detection, LSTM with MFCC for voice analysis, and NLP models for sentiment classification.
- Integrated models in a single Streamlit app for real-time browser interaction.

Dual Chatbot 🔗
Python · TensorFlow · Keras · NLP· HTML · CSS · JS
- Built a hybrid chatbot using an LSTM model and a rule-based engine for Q&A matching.
- Preprocessed a custom dataset and trained an LSTM model with Keras for intent recognition.
- Implemented a fallback regex module and unified both within a single Python interface.

Stock Price Prediction Web App (with Prophet)
Python · Forecasting · Prophet · Streamlit
- Developed an end-to-end web-based Stock Forecasting Tool using Python, Facebook Prophet, and Streamlit.
- Enabling users to upload stock data, visualize historical prices, and generate interactive future predictions (up to 1 year).
- Implemented time series analysis and visualization of stock data, enabling comparison of predicted vs. actual prices.

Certificates

- Python with Data Science- AEDIFICO 🔗
- Machine Learning A-Z™ (Hands-On Python & R)- Udemy 🔗
- Managing Big Data with MySQL-Coursera 🔗
- Data Science Bootcamp-Udemy 🔗
- Generative AI with Large Language Models-Coursera 🔗
- Gen AI Academy-Hack2skill 🔗
- Google Cloud Skills Badge: Inspect Rich Documents with Gemini Multimodality & RAG - Google Cloud Skills Boost 🔗
- Google Cloud Skills Badge: Prompt Design in Vertex AI - Google Cloud Skills Boost 🔗
- Google Cloud Skills Badge: Explore Generative AI with the Gemini API - Google Cloud Skills Boost 🔗
- Google Cloud Skills Badge: Build Real-World AI Applications with Gemini & Imagen - Google Cloud Skills Boost 🔗
- Google Cloud Skills Badge: Develop GenAI App with Gemini & Streamlit - Google Cloud Skills Boost 🔗

Skills

- Programming: Python, SQL, Bash, JavaScript, HTML

NLP: NLTK, TF-IDF, Word2Vec, GloVe, Transformers, Hugging Face, Sentiment Analysis, Text Classification, RAG, Gemini AI, Prompt Engineering

- Tools: Jupyter Notebook, Google Colab, Git, GitHub, Streamlit, Flask, REST APIs, JSON

- ML/DL: Scikit-learn, TensorFlow, Keras, PyTorch, CNN, LSTM, ANN, XGBoost, LightGBM

- Data: Pandas, NumPy, Matplotlib, Seaborn, Plotly, Data Visualization, EDA, Statistics

- Cloud: Google Cloud (Vertex AI), AWS (Basics), Heroku

Languages

- Japanese (JLPT N4) – Basic Proficiency
- Hindi – Native

- English – Intermediate