Keval Sakhiya

+91-9687591750 | Personal Email | Website
Linkedin Profile| GitHub Profile | Upwork Profile

Skills

Programming Languages: Python, SQL, JavaScript
Data Science: Machine Learning, Deep Learning, Natural Language Processing (NLP), Data Analysis
Frameworks & Tools: TensorFlow, Keras, Scikit-learn, XGBoost, Power BI
Databases: SQL, NoSQL
Cloud Platforms: AWS (EC2, S3), Azure, Google Cloud Platform (GCP)
Version Control & Collaboration: Git, Docker
Other Tools: MLflow, DVC, FastAPI, Django, ETL, Data Pipelines, Scrapy, Requests, Selenium

Work Experience

Freelancer | Upwork

***Data Engineer* | 2019 - 2023 (4 years)**

- Worked on numerous data gathering and web scraping projects, efficiently collecting and processing large datasets.
- Developed robust data pipelines to clean, transform, and store data in both SQL and NoSQL databases.
- Collaborated with clients to design scalable solutions, utilizing cloud platforms such as AWS EC2 and S3.
- Tools used: Scrapy, Requests, Selenium, Git, Docker, SQL, NoSQL databases.

***Data Scientist* | 2022 - Present (2 years)**

- Designed and implemented machine learning and deep learning models for diverse projects.
- Applied MLOps best practices by integrating data version control and Git, ensuring the reproducibility and scalability of models.
- Implemented experiment tracking using MLflow and set up CI/CD pipelines with Git Actions to streamline model deployment.
- Tools used: Scikit-learn, TensorFlow, Keras, XGBoost, Matplotlib, Fast API, Power BI.

Projects

Emotion Detection Using CNN
GitHub: Emotion Detection Using CNN
Developed a deep learning model using a Convolutional Neural Network (CNN) based on the ResNet architecture to detect and classify human emotions from images. Achieved high accuracy through extensive data preprocessing and model tuning.

Property Scout - Real Estate Price Prediction
GitHub: Property Scout
Created a comprehensive real estate property price prediction system using XGBoost. The project includes a property recommendation system leveraging cosine similarity for location, facilities, and price, with a focus on MLOps practices including data version control and experiment tracking.

Movie Recommender System
GitHub: Movie Recommender System
Implemented a content-based movie recommender system that suggests movies to users based on their preferences. Utilized natural language processing (NLP) techniques to analyze movie metadata and calculate similarities using cosine distance, providing personalized recommendations.

Interests

Blog Writing: Write and share data science insights on Medium, simplifying complex topics for a broad audience.
AI Exploration: Learn and experiment with new AI technologies, including AI agents and APIs.
Reading: Enjoy reading novels and books on technology, AI, and data science.