SANDESH PARGAONKAR

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PROFESSIONAL SUMMARY

Highly skilled and motivated ML Engineer with a track record of delivering successful data-driven solutions. Proficient in Python with expertise in machine learning algorithms and frameworks.

SKILLS

- Programming: **Python, SQL**, HTML, CSS
- Libraries and Framework: **TensorFlow**, Keras, Pandas, NumPy, Sci-kit learn, Matplotlib, NLTK, PowerBI Langchain, OpenCV
- Cloud Services & CI/CD: **Docker**, **AWS** (EC2, S3, IAM, ECR), Microsoft Azure, GitHub Actions, Flask, DVC

PROJECTS

Pneumonia Detection System (Link) (Project Video) July 2023

- Designed a MLOps Framework for CI/CD pipeline for seamless model updates and deployment on AWS using Docker, GitHub Actions and Flask Web Application.
- Planned comprehensive data management system for enhanced Data Ingestion, Preprocessing and Training Pipelines by operationalizing the ML models in Production Environment.
- Developed a Neural Network model with 91.83% Accuracy using advanced Machine Learning Techniques and Tensorflow, open-cv libraries.

Fashion Recommender System (Link) January 2024

- Built a Fashion Recommender System using image embeddings and a Nearest Neighbors algorithm.
- Employed the ResNet50 model to implement robust feature extraction, enhancing the system's ability to capture intricate visual details and patterns in fashion images.
- Created an interactive web interface using Streamlit for user-friendly image upload and recommendation display.

Natural Language to SQL Query Generator (Link) May 2024

- Developed database query generation bot to query MySQL database using Retrieval Augmented Generation.
- Implemented a user-friendly web application using Flask for presenting result table in rows and columns giving users more access to information.
- Employed Few-Shot Prompt Engineering technique to train GPT 3.5-turbo model by creating synthetically generated prompts.

EDUCATION

SANJAY GHODAWAT UNIVERSITY Kolhapur, MH

B. Tech in Artificial Intelligence & Machine Learning January 2020 - July 2024

Relevant Coursework: Machine Learning, Probability & Statistics, Linear Algebra, Calculus (1,2,3), DBMS

WORK EXPERIENCE

Zep Analytics Remote

Data Science Intern December 2023 – Present

- Designed, Developed and implemented Machine Learning Models like Logistic Regression, SVM, k-NN, Decision Tree, and others for enhanced performance and scalability.
- Worked on multiple Proof of Concepts of Generative AI for potential clients using LangChain library and GPT, Mistral, Llama 3 and other language models for building user friendly services.
- Initiated projects like Multi document chatbot, Insurance claim analyzer employing processes like Text Chunking, Embedding Generation, Vector database, and Retriever.

CERTIFICATIONS

Complete Python Bootcamp 2021 | Udemy | (Link) | SQL Bootcamp | Udemy | (Link)