MD SUHAIL AHMED

https://www.linkedin.com/in/md-suhail-ahmed-4578a125b/

✉ mdsohailahmed1843@gmail.com   in   ⬜ https://github.com/Sohail1173   📞 7411884484

Profile: I Passionate about Data Science & AI, having good object oriented programming skills, well versed knowledge of making full end-to-end Data Science pipeline from Data Gathering to Scalable deploying applications in various cloud platforms, having good analytical and problem solving skills.

Work Experience

1.AI Engineer Intern

- **Algorithma digitech pvt ltd: Apr 2023-July- 2023**

- Collaborated with a team to develop the **SmartBasket.ai** mobile application.
- Contributed to the design and implementation of key features.
- During my internship at **Algorithma**,I utilized web scraping techniques to collect data for over **2000 companies financial data** from websites to develop a **Large Language Model (LLM)**. named as **FinGPT.**
- Preprocessed and cleaned the collected data to ensure high-quality inputs for the model.
- Trained the LLM on a diverse dataset of company information, allowing it to generate relevant and contextually accurate text. Fine-tuned the model using **custom langchain agents**, optimizing its performance for specific business applications and use cases. Participated in regular team meetings and provided updates on progress.
- **TechnologyStack:Langchain,Elasticsearch,Pinecone,Chromadb Beautifulsoup, Huggingface,Transformers,whisper ai.**

2. Data Science Intern

- **Happymonk.ai:Aug-2023- Dec-2023**

- Collaborated with the **HappyMonk** team to collect and curate adiverse dataset of images for computer
- vision projects.

- Conducted meticulous image labeling, ensuring data quality and accuracy to support machine learning model training, Applied image enhancement techniques and effects to improve the dataset's quality and diversity.

- Played a crucial role in video collection efforts, focusing on capturing diverse video footage for **YOLO** model testing.

- Actively participated in model testing and evaluation using **YOLOv8**, contributing to the development of cutting-edge computer vision solutions.

- **Training the object detection, classification, and segmentation models. Building models using NVIDIA TAO toolkits**

Personal Project

1. Cancer Classification:

- **Aim**:To build a classification-based model that can predict the type of disease (**Normal**, **Adenocarcinoma**) based on the given training data.
- Pipelines created: Data Ingestion, Data Transformation, Model Training, Model Evaluation, Model Pusher.
- Model hyperparameter tuning performed using **MLflow** and **DagsHub**.
- **Tech used: PyTorch, Flask, AWS, DVC (Data Version Control), MLflow, DagsHub, Docker**
- https://github.com/Sohail1173/End-to-End-with-mlflow-dvc

Core Skills

Languages

Python , SQL ,Elasticsearch, Object Oriented Programming

Deployment

Docker
AWS Container Registry
Amazon S3,Amazon EC2,
CI/CD pipelines.ML flow,DagsHub

Basic Data Structure

Linear Search, Binary Search, Bubble Sort, Quick Sort, Insertion Sort, Selection Sort, Merge Sort ,DataFrames, Series, Recursion,Hashing.

Mathematics for ML & DL

Algebra,Probability,Statistics,Calculus,Matrices

Frameworks & Libraries

Tensorflow, Keras, Pytorch , Transformers , Simple Transformers , Pandas, NumPy , SpaCy , NLTK , Matplotlib , Seaborn,Langchain,LLama Index , OpenCV,Ultralytics,Huggingface,LLM, Git , GitHub.

ML & DL Algorithms

Random Forest	ANN , CNN ,RNNN
KNN	Vgg , ResNet ,AlexNet,Lenet
Decision Tree	InceptionNet , EffecientNet
K-Means	SSD ,Yolo ,R-CNN,Mask-RCNN,MTCNN
DB-Scan	

Tools

LabelStudio , Labelimg , Lableme, Linux,Ubuntu,Deepstream,Onnx,TensorRT, Postman

Education

M.sc Mathematics BCU , Bangalore 2020 - 2022		6.9sgpa
B.sc Mathematics Gulbarga University 2017- 2020		72%
12th Board Crescent P.U College. 2015 - 2017		78%

Language

English
French
Hindi
Urdu
Kannada

Interest

Cricket
Photography
Cooking