AARIF ALI

PYTHON | DATA SCIENCE | AI

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GitHub

LinkedIn

SUMMARY

A passionate and self-taught Python developer with a strong focus on data science and a keen interest in artificial intelligence. Proficient in the art of creative problem- solving, committed to perpetual growth, and dedicated to delivering innovative solutions that bring ideas to life. Passionately exploring the exciting realms of artificial intelligence and venturing into the captivating world of GenerativeAI.

TECHNICAL SKILLS

LANGUAGES:

- Python
- SQL

LIBRARIES

- Pandas & Numpy
- SciKit-Learn
- TensorFlow
- Py-Torch
- Transformers
- NLTK
- Seaborn & Matplotlib

FRAMEWORK

- Django
- Flask
- Fast-API

FRONTEND

- HTML
- CSS
- Bootstrap

PROJECTS

Cricket-Score Prediction (Data Science Project)

Developed a data driven tool to predict T20i cricket score.This platform enables users to predict end scores of ongoing T20i matches by giving the details of the match such as batting team, bowling team, venue, current score, wickets fallen, overs bowled.

- Collected relevant data through Kaggle in YAML file.
- Cleaned and pre-processed raw data with **Pandas**, **Numpy** and **Sci-Kit Learn**.
- Leveraged **Matplotlib&Seaborn** for Exploratory Data Analysis.
- Trained and Tuned all the Regression ML model on the data and selected the best ML model that gives minimum error and good accuracy.
- Utilized **Python-Flask Framework** for robust backend.
- Frontent: **HTML, CSS, Bootstrap, Javascript**

- **GitHub**: [Cricket-Score Prediction](#)
- **Live Link :** [T20 Forecast](#)

DATABASE

- PostgreSQL
- MySQL

DEVELOPMENT TOOLS

- Git and GitHub
- VS-Code
- Jupyter Notebook
- GoogleColab

OTHERS

- Machine Learning Algorithms
- Statistics & Probability
- Pipeline for ML
- Data Engineering | Analysis
- LLM(GPT-2, BERT)
- NLP Algorthms
- DSA
- Docker

EDUCATION

Python and Data Science (Intern)

Brototype, Calicut
2022 - Present

Bachelors in BSc.Mathematics

University College, Thiruvanathapuram
2019 – 2022

LANGUAGES

- English
- Malayalam (Native)
- Tamil
- Hindi

Multiple PDF Chat (LLM Project)

ChatBot that allows you to chat with multiple PDF documents. You can ask questions about the PDFs using natural language, and the application will provide relevant responses based on the content of the documents. This app utilizes a language model to generate accurate answers to your queries.

- Utilized **LangChain** framework for application development.
- Employed **Streamlit** for Graphical User Interface.
- Integrated **HugginFace** Model for training.
- **HuggingFaceInstructEmbeddings** for text embeddings.
- Facilitated Multiple PDF upload option and History based chat option.

- GitHub: **MultiplePDF-ChatBot**

MINI PROJECTS

Text Summerizer   GitHub Link

- Created a Text Summerizer Application with transformer based model (**HuggingFace API**).

Email Spam-Classifier   GitHub Link

- Build an application using the libraries **NLTK** and **Streamlit** which can classify an Email/SMS as Spam/Ham.

Image-Classifier   GitHub Link

- Designed a Convolutional Neural Network using **Tensorflow** and **OpenCV** to classify Images of people to Happy/Sad.

Fashion-GAN   GitHub Link

- Generated synthtic data of fashion accessories using GAN modules.
- Build custom **Generator** and **Discriminator** using **TensorFlow.**

amadoFr   GitHub Link

- Crafted a **Django** based e-commerse website with product variation, categorized listing and efficient cart management.
- Integrated **RazorPay** for secure payment processing.

DECLARATION

I hereby declare that the information provided in this resume is true, complete, and accurate to the best of my knowledge.

Aarif Ali