Muhammad Hamza

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Creative and energetic Software Engineer with a demonstrated history of designing and developingweb applications using different technologies like (React, PHP, Python etc.).

Skills

- JavaScript ★★★★☆
- Python ★★★★☆
- React JS ★★★★☆
- PHP ★★★☆☆
- Bootstrap ★★★☆☆
- HTML ★★★☆☆
- CSS ★★★☆☆

Experience

Region Based Sentimental Polarity Identification Of Online Data Of Political And Financial NEWS

- Scrapping of NEWS data using Web Scrapper built using Python.
- Feature Detection of different NEWS keyword
- Prediction of the polarity of NEWS based on trained Model.
- Training of Model using different models like KNN, K-Means etc.
- Analyzing the results produced by different models.
- Visualization of Polarity across different regions using Choropleth.
- Visualization library include D3.js
- Web Application showing the result while asking for input NEWS to process built using Flask.

- This project is built using Python, Flask, Sea-born, Matplotlib, NLP library and corpus.

Oware Technologies (Supply Chain Management Project) (www.coc.oware.co)

- Developed Custom React Components in order to fulfill the business needs of client
- Developed APIs to fetch and put the data in the database in order to complete the flow of transactions done in the system.
- Developed the Customer Portal in order to show the transactions and history of the customer since the he/she became the member of the organisation.
- Maintenance of Operations Portals and customizing it as per the needs of the Business.
- This project is built using React JS, Node JS, and MySQL as database.

Adidas Combat Sports Worldwide (www.adidascombatsports.bmn-es.com)

- Development of E-commerce webstore for Adidas Combatsports.
- Integration of different payment methods in store to fulfill the collection of amount in the accounts of respected franchiser which include (Japan, Korea, Australia, United States, etc.)
- Custom Plugin developed in order to fulfill the requirement which were not available in the conventional system.
- Third Integration for uploading of Catalogue form one website to another.(Custom Plugin)
- This project is built using Woocommerce, PHP(Custom Plugins)

Pedro Shoes Pakistan(www.speedonline.pk/pedroshoes)

- Development of E-commerce webstore for Pedro Shoes(Singaporean Brand).
- Integration of different payment methods in store to fulfill the collection of amount in the HBL and Bank Alfalah account.(Custom Module)
- Custom Module developed in order to track the re-targeted audience using Facebook Pixel.
- This project is built using Prestashop, PHP(Custom Module)

Sentiment Polarity Detection on NEWS Data (Not hosted)

- Developed a polarity detection mechanism of NEWS data where user enters the paragraph or corpus of words, and system will predict the polarity of the paragraph based of the different regions.
- Regions includes : Pakistan, India, China, United States, United Kingdom
- Implementation of NLP algorithms and training of feature detection algorithms.
- Visual representation of polarity across different regions on Choropleth Map.
- This project is built using Python, Flask (Web App), D3.js library

Twitter Sentiment Analysis (Kaggle Project)

- Developed a sentiment analysis system which fetch data from Twitter App and output the sentiment index i.e. positive or negative.
- Implementation of NLP algorithms and training of feature detection algorithms.
- This project is built using Python, NLP library and corpus.

Titanic Data-set Transformation (Kaggle Project)

- Transform the data-set into given format.
- Implementation of NLP algorithms and training of feature detection algorithms.
- Prediction of the survivors based on the data given.
- This project is built using Python, Sea-born, Matplotlib, NLP library and corpus.

Education

Bachelors of Computer Science
National University of
Computer and
Emerging Sciences,
Karachi 2019

Intermediate
Sindh Muslim Govt. Degree College, Karachi
2015

Matriculation
Gallant Foundation School,
Karachi2013