Sai Manoj Chanamolu

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Objective

Proficient professional with expertise in Python, SQL, HTML, and CSS, combined with hands-on experience in implementing machine learning and deep learning models such as Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), and Gradient Boosting techniques. Seeking a challenging role to design and develop data-driven solutions, optimize software performance, and contribute to innovative AI and web-based projects."

Education

SRM UNIVERSITY, AP **2020 AUG – 2024 MAY**
Bachelors of Technology *GPA: 7.87/10*

SARADA JUNIOR COLLAGE, AP **2018 JUN – 2020 MAR**
MPC *GPA: 7.9/10*

NARAYANA E.M HIGH SCHOOL , AP **2017 JUN -2018 MAR**
SSC *GPA : 9.0/10*

Technical Skills

Languages/Database:

C, Python, Sql, Html, Css

Experience/Internships

Accenture North America Data Analytics and Visualization Job Simulation on Forage **September 2024**
Data Analytics

- Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture
- Cleaned, modelled and analyzed 7 datasets to uncover insights into content trends to inform strategic decisions
- Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders

Projects/Research

Sentiment Analysis On Clinical Data Using Transformer Models

- Our project focuses on sentiment analysis applied to clinical data sourced from two distinct datasets. The first dataset comprises reviews gathered from the rateMDs website, encompassing evaluations of doctors and hospital staff.
- In the first dataset, this reduction involved evenly distributing 2,500 instances each for positive and negative labels. Additionally, positive and negative labels in the first dataset were numerically encoded as 1 and 2, respectively. In the second dataset, neutral, positive, and negative sentiments were encoded as 0, 1, and 2, respectively. Both datasets underwent an 80.
- The evaluation of multiple language models across two distinct datasets reveals several key insights. Firstly, while each model exhibits varying performance across different datasets and sentiment categories, certain trends emerge. RoBERTa consistently demonstrates robust performance, particularly in terms of accuracy, across both datasets. Additionally, ELECTRA shows promising results, especially in Dataset 2, indicating its potential for accurate sentiment analysis tasks.

Emotion recognition using machine learning(Research)

- We are Working on the Deep Learning based technique i.e., Convolutional Neural Network (CNN) for Real-time detection of the face and interpreting different facial emotion.
- We employed several CNN models such ResNet-50, AlexNet, GoogleNet, VGG-16 .
- and implemented three of them using FER2013, JAFFE and Ck+ datasets. Overall results show that the implemented models are capable of predicting emotions using facial expressions.

Image Caption Generator

- We used pre-trained VGG16 for feature extraction and LSTM for sequence generating to generate a caption for an image
- We trained the model by using Flickr8k image dataset, having 8K images and 40k+ captions.
- After training the model we test our model by test data set and we achieve 0.62 for BELU-1 and 0.50 for BELU-2.

Wine Quality Prediction

- Conducted thorough EDA using NumPy, Pandas, Matplotlib and Seaborn. Created insightful visualizations, including bar plots and heatmaps.
- Implemented K-Nearest Neighbour and Random Forest for wine quality prediction.
- Evaluated model accuracy, showcased real-time predictions for 'Good Quality Wine' or 'Bad Quality Wine' based on input data

Hobbies

- Playing Cricket
- Playing Basket ball
- Playing Volley ball
- Cooking
- Watching T.V
- Listening to Tech News

Certifications

- Problem Solving - **HackerRank**
- Python Intermediate - **HackerRank**
- Great Learning Python Certification
- Microsoft Azure
- Microsoft PL