RAVI SATVIK GORTHI

Data Scientist

Technical Skills

- SAS Certified Specialist: Base Programming Using SAS 9.4
- Languages: Python, R
- Packages: skLearn, Keras, spaCY
- Platforms: Anaconda, Jupyter Notebook, PyCharm

Contact

+91 7013057375
ravisatvik.192@gmail.com
linkedin.com/ravi-gorthi
github.com/rgorthi

Academic Qualifications

MASTER OF SCIENCE (Data Science)

D.A.I.I.C.T, 2022

BACHELOR OF TECHNOLOGY(Computer Science and Engineering)

SRM University, 2018

Skills

- **DATA ANALYSIS**
- **MODEL BUILDING**
- **MACHINE LEARNING**
- **DEEP LEARNING**
- **NATURAL LANGUAGE PROCESSING**
- **MODEL DEPLOYMENT IN CLOUD**
- **VERSION CONTROL AND REPORT GENERATION**

Projects

Prediction of COVID-19 Infection Using Epidemiology Dataset

We predicted and forecasted the COVID-19 outbreak in the World and India using a machine learning approach, the aim of the project is to provide data analysis of covid-19 using ML models SVM and polynomial regression. The SVM model performed better on India data, whereas the polynomial regression model performs better when considering the world data. We evaluated the models based on Mean Average Error.

Detection and Resolution of Rumors in Social Media: A Survey

- This project addresses the challenge of rumor stance classification, which involves identifying the stances of users towards the veracity of a rumor.

- We implemented an LSTM-based sequential model which takes in the sequences of source and their corresponding reply tweets as input and gives stances for all the underlying tweets

- Since this is a classification problem, we used accuracy and F1 macro averaged score to evaluate. The model performed with an accuracy of 0.43 and F1 macro score of 0.25.

Hate Speech and Fake News Detection

- Over the past years, interest in online hate speech detection and, particularly, the automation of this task has continuously grown, along with the societal impact of the incident. This project describes a hate speech classification model based on Distil-BERT.

- This project also describes a fake news classification model based on GloVe embeddings for feature extraction followed by training an LSTM model.

-The LSTM model performed with a weighted F1 score of 0.90. The distil- BERT model performed with an accuracy of 0.84.

Work Experience

ModulusPI IT Solutions, Hyderabad

1 year as AR/VR Developer

Worked on VR projects for HTC Vive, Oculus Rift, and Windows Mixed Reality using Unreal Engine.
- Developed a VR Application for Patient- Doctor Interaction
- Built and developed a VR Real Estate Concept Visualization Tool
- Worked on a VR Tool For Training and Evaluation Module for warehouse safety
- Developed several in-house projects for POC

AutoVRse, Bangalore ***6 Months of Internship***

- Built a VR Experience of Service Centers in the Future for Greaves Cotton, Chennai.
- Built a VR model of a Bus, to view under custom exterior settings, preset interiors, and lighting for a major automobile firm in Chennai.
- Built a VR teaching and evaluation module for warehouse employees, for a tire manufacturing firm.