MAULIK SONI

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EDUCATION

Dhirubhai Ambani Institute of Information & Communication Technology

M.Tech in ICT | Machine Learning

📅 Aug 2019 – June 2021   📍 Gandhinagar, Gujarat

- CPI: 8.71/10.0

Government Engineering College, Gandhinagar

BE | Electronics & Communication

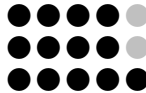📅 June 2014 – May 2018   📍 Gandhinagar, Gujarat

- CGPA : 7.92/10.0

EXPERIENCE

Dhirubhai Ambani Institute of Information & Communication Technology

Teaching Assistant

📅 Aug 2019 – June 2021   📍 Gandhinagar, Gujarat

LANGUAGES

English
Hindi
Gujarati

AREAS OF INTEREST

Machine Learning   Data Science

Natural Language Processing   Computer Vision

TECHNICAL SKILLS

C++   Python   JavaScript(Basic)   Cuda   Pytorch
ONNx   Keras   Scikit-Learn   Numpy   Pandas
Flask

INTERESTS AND HOBBIES

- Chess

THESIS (M.TECH)

Sentiment Analysis for Stock Prediction

- Developed sentiment analysis model using Bidirectional Encoder Representation of Text(BERT) which generates sentiment score from daily news and tweets data.
- Developed micro-services using FastAPI, Gunicorn(Python WSGI HTTP server) and run it on the Vista-Intelligence company server for sentiment prediction.

Retrospective Analysis between News & Stock Movement

- Designed a model which tells how a particular news impacts the stock market.
- Designed one micro-service and working demo using simple HTML CSS.
- Technologies: Pytorch, Scikit-Learn, Pandas

Stock Price prediction model

- Designed a model to predict the stock market prices specifically daily OPEN, CLOSE values.
- The model considers both fundamental and technical study for making prediction.
- Technologies: Pytorch, Pandas

The thesis is part of callobration between DAIICT, ISI Kolkata, VistaIntelligence.

PROJECTS

EPIDEMIC INTELLIGENCE MODEL

- Developed multi-label classification model which is able to extract multiple disease symptoms presents in Social media text(e.g Twitter).
- It is first stage of two stage epidemic intelligence model which is useful for the prediction of the epidemic before it occurs.

   github.com/MaulikSoni-97/Epidemic_Intelligence

VARIATIONAL GRAPH AUTO ENCODER

- Graph based Auto Encoder model helps in generating new links between nodes from the already present links information.

   https://github.com/MaulikSoni-97/VGAE