
GAJULA DEEPAK

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AWARDS AND RECOGNITIONS

AI/ML hackathon at KCG IT

Top 1 among 40+ teams

Infosys AI Hackathon

Top 5 among 50+ teams

DSC HITS core lead for Machine Learning

Facilitator for ML and DL

kaggle Competitions and Notebooks

Highest rank 132 and 13+ Competitions

EDUCATION

Hindustan Institute of Technology & Science - *B-Tech Computer Science & Engineering*

2018 - PRESENT

CGPA - 8.55

SRI CHAITANYA , Andhra Pradesh - *Intermediate Education*

2015 - 2017

Percentage: 90.00 %

EXPERIENCE

FIS Pvt Ltd, bangalore, India - *software engineer*

June 2022 - Ongoing

- Working as a Devops engineer for the banking products specific to Fidelity National Information Services that supports reporting and analysis
- Supporting with python based applications for automation and interactive dashboard with real time data for internal usage

MEIPORUL SOLUTIONS Pvt Ltd, chennai India - *Deep Learning Intern*

March - May 2020

- Provided two real time working models one of them is prediction of covid-19 using chest x ray scan CT scan .
- Second one is complete analysis of covid-19 spread over world wide and monitoring dashboard for Covid-19 patient

Altimetrik India Pvt Ltd, chennai India - *Machine Learning Intern*

Dec - Jan 2019

- Provided two real time working models. One of them is to detect colors of apparels of Men
- Second one is pattern recognition of shirts using Deep learning.
- Challenge for detecting colors is that it has a very imbalanced data-set of pixel values. Overcome this issue and used k-means clustering algorithm for pixel clustering and OpenCV for color detection.

PROJECTS

COVID-19 Analysis,Forecasting and prediction

Oct 2020 - Dec 2020

- complete analysis of covid-19 spread over world wide by number of Confirmed, Deaths Recovered and Active cases specially for top 5 countries like China(wuhan) , Italy , South-Korea,Spain and Iran and also Mortality & Recovery Rate
 - **Covid-19 Forecasting**
 - For forecasting tried with LSTM and exponential smoothing, ARIMA for Confirmed,Deaths and Recovered over world wide
 - **Covid-19 Prediction with Normal Blood Test Report**
 - The challenge for this Prediction is it has highly imbalanced Dataset with target Class & missing values overcome this issue and after trying all the classification algorithms XGboost gave 86.7% of accuracy score till now
 - **Covid-19 Prediction with Chest-X ray and CT Scan**
 - Tried different CNN architectures considering accuracy and got 84.3% also tried transfer Techniques like VGG19 ,ResNet50 ,InceptionV3 and achieved 86.4% accuracy score till now.

Chat-Bots for COVID Awareness-Covidbot

May 2020 - May 2020

- The aim of this CovidBot is to assess the awareness of COVID-19 disease and related infection control practices. With all the WHO question and answers for Covid,created a Dataset and used Natural Language Processing (NLP) techniques for data-preprocessing and tool like Torchtext from PyTorch for text embeddings and fully connected neural network with PyTorch for classifying the text

Demand Forecasting for Top MNCs

June 2021 - June 2021

- The aim is to create a web interface that helps to understand the stock prices of 500+ companies and forecast stock values for the next chosen number of years. Using YFinance API as it have large datasets of historical financial dataset with calculated metrics, and used FB-Prophet model which is a type of GAM(Generalized Additive model) for forecasting future demand and with Bollinger Bands plots, which helps to determine whether price are high or low on a relative basis.

TECHNICAL STRENGTHS

Computer Languages	C/C++, Python
Version Control	Git,Github,VS-Code
Machine Learning	Python with Tensorflow,Keras,PyTorch
Data Visualisation	Matplotlib, Seaborn, Scipy,Plotly
Website (coded)	HTML5 and CSS, Streamlit

RELEVANT COURSES & CERTIFICATIONS

- Probability and Statistics
- Image classification with amazon sagemaker
- Deploy Models with TensorFlow Serving and Flask
- Build a Data Science Web App with Streamlit and Python
- Machine Learning course by Andrew ng

CONTACT INFO

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|-------------------|---|
| - Linkedin | https://www.linkedin.com/in/deepudeepak1243/ |
| - Github | https://github.com/gdeepakdeepum/ |
| - Kaggle | https://www.kaggle.com/deepakdeepu8978/ |

DECLARATION

I hereby declare that information provided above is true up to my knowledge and belief

GAJULA DEEPAK