AYUSH PATEL

Data Science Intern

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PROFILE

An independent and self-motivated aspiring Data Scientist with proven ability and experience in developing Data Science projects. Proficient in Data Science with focus on Feature Engineering, Data Preprocessing, creating custom sklearn's pipeline and deep learning models.

EDUCATION

Master of Data Science,
Vellore Institute of Technology

2021-Ongoing

Bachelor of Computer Applications,
International institute of professional studies , DAVV

2018-2021

ACHIEVEMENTS

- Achieved **Rank 1** in UTKRAANTI 2019(National Level Championship) workshop on AI
- Secured **Rank 1** among 3500 participants in Book Price Prediction Challenge organised by Machine Hack
- **Ranked in Top 10** of the Work Hour Prediction Challenge by Machine Hack
- **Ranked in Top 150** out of 5,000 teams in Amazon ML Challenge 2021
- **Global Ranking 45** out of 6000 on Machine Hack Platform

PROJECTS

A mobile application for plant disease detection:
- Dataset used- Plant Pathology 2020 which contains around 80,000 images.
- Model used - Resnet50
- Framework used - kivy
- Deployment tool - buildozer

Image Captioning
- Dataset Used: Flickr 8K
- Framework : Tensorflow
- Implemented seprate models for image and text features
- Image Feature extraction using Resnet50 and LSTM layers for text data .
- Concatenated both the models to make final predictions and achieved 85% accuracy .

YouTube Views prediction
- Built and implemented YouTube views prediction model using data which include thumbnail, likes, no. of comments .
- Model used - Ensemble models

Stock prediction
- Built a Deep learning model to forecast features and improvised the stock market predictions by 10%
- Model used - Recurrent neural networks, LSTM

Covid-19 detection
- Detect the presence of coronavirus in lungs using X-ray images
- Performed Data Augmentation , MaxPooling
- Used CNN Layers

Sentiment Analysis on Movie reviews
- Steps : Data cleaning ,Sentence Segmentation, Tokenization, Lemmatization, Tagging
- Library used : NLTK, Spacy

SKILLS

Programming Languages	Python,JAVA ,C/C++
Databases	MySQL ,NoSQL, SQLite, MongoDB
Other skills and Framework	OpenCV, Pytorch ,TensorFlow ,Optuna ,NTLK ,Spacy ,Flask ,Kivy

ADDITIONAL INFORMATION

- Owned and executed end to end multiple data science projects.
- Led and mentored a team of students in my final year.
- Possessses the quality of a good storyteller.
- Team player with effective communication skills and proven abilities in resolving complex issues.