

# AYUSH PATEL

## Computer Vision 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

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

### YouTube Views prediction

- Predict views on video using data like thumbnail, likes, no. of comments
- Model used - Machine Learning model with ensemble techniques

### Stock prediction

- Predict stocks of a particular company using time series forecasting
- Model used - Recurrent neural networks, LSTM

### Covid-19 detection

- Detect the presence of coronavirus in lungs using X-ray images
- Performed Data Augmentation
- Used CNN Layers

### Sentiment Analysis on Movie reviews

- Steps : Sentence Segmentation, Tokenization, Lemmatization, Tagging
- Library used : NLTK, Spacy

### Mask Detection

- Dataset includes images of people with and without masks
- Used Data Augmentation to improve performance

## SKILLS

**Programming Languages** Python,JAVA ,C/C++

**Databases** MySQL ,NoSQL, SQLite, MongoDB

**Other skills and Framework** OpenCV, TensorFlow ,Keras ,Optuna ,NLTK ,Flask ,Kivy

## ADDITIONAL INFORMATION

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