PRAKASH KASULA

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Education

Malla Reddy Engineering College — Hyderabad, India
Bachelor of Technology in Computer Science, Secured an aggregate of 8 CGPA — *Aug. 2018 – May 2022*

Narayana Junior College — Hyderabad, India
12th Standard, Secured an aggregate of 96.2 percentage — *Aug. 2016 – May 2018*

Experience

Machine Learning Intern — July 2021 – Aug 2021
Technocolabs — *Indore, India*

- Working on the Stock Market Data to predict future stock price values

Machine Learning and Deep Learning Trainee — June 2020 – June 2021
Applied Ai Course — *Hyderabad, India*

- Learnt various Machine Learning and Deep Learning algorithms and techniques
- Solved industry relevant problems to gain superior understanding of the applied aspects:-
- 1. Forecasting Pickup Densities – Solved the problem of predicting the pickup densities of a particular area in New York for a particular time-slot given data of the previous pickups
- 2. Sentiment Analysis of Amazon Food Reviews – Used various NLP techniques (Bag of Words, Tf-IDF, Word2Vec, Avg word2vec, Tf-idf Word2Vec etc.) to carry out sentiment classification of a review (whether positive or negative)
- 3. Image Classification on Fashion data – Classification of images of clothing into 10 different classes. Done using Hyper-parameter tuned Dense and Convolutional Neural Networks

Projects

Personalized Cancer Diagnosis | *Python, Machine Learning* — Agust 2020 – September 2020

- Here we are trying to automate the research part which done by the Cancer domain experts to predict whether the person is having cancer or not
- It takes considerable amount of time in the research part, so we built a ML model which gives probabilistic values which represents the probability that a person is having a specific kind of cancer
- The developed system successfully detects 8 different types of cancer with an accuracy of 86%. The predicted output results are helpful for cancer specialists in diagnosing the disease and prescribing patients with suitable and effective treatment
- View Project

Facebook Friend Recommendation System | *Python,Machine Learning,Graph Mining* — Dec 2020 – Jan 2021

- Modeled the friendship between two users as an edge of a social network graph and solved the friend recommendation problem using various graph-based features, matrix factorization techniques and Node2Vec
- View Project

Self Driving Car | *Python,Deep Learning* — Feb 2021 – Feb 2021

- The model has been implemented using Python and Deep Learning techniques like CNN and OpenCV where an image is fed to the system and features of the image are extracted using feature extraction.
- From the extracted features we predicting the angle in which steering wheel should be rotated
- The system was able to predict the results with 97% accuracy
- View Project

Technical Skills

- **Languages:** Python, C++
- **ML Libraries:** NumPy,Pandas,Matplotlib,Seaborn,SciPy,Keras,Tensorflow
- **IT Constructs:** DS and Algorithms, OOPS,DBMS and OS
- **Development Skills -** HTML, CSS,Bootstrap,Javascript,Django
- **DB Language:** SQL
- **Development Tools:** Git,Pycharm,VS Code