

Viraj Bhat Prabhu

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EDUCATION

Goa University

Bambolim - Goa

Bachelor of Engineering

07/15- 07/19

- Specialization in Mechanical Engineering
- Relevant Coursework: Statistics, Probability & Discrete Mathematics, Six Sigma

WORK EXPERIENCE

A.S Engineering

Ponda - Goa

Jr. Mechanical Engineer

08/20 – 02/21

- Led a team of 5 employees for on-site maintenance and reparation of forklifts and other machinery provided by the company to its clients.
- Managed sales calls and conducted workload assessments.
- Reviewed, Analyzed and updated the scheduling system to benchmark effectiveness by 30%.

KEY PROJECTS

Precision Farming Advisor

- Developed a crop recommendation system trained on Gaussian Naïve Bayes and Adaboost classifiers.
- Fulfilled the aim of recommending crops to farmers based on their soil nutrition with 99% accuracy.
- Designed a website with HTML and CSS, made an API with Flask and deployed on Heroku platform.

Multiple Disease Prediction

- Built a classification based disease prediction system using 5 different machine learning algorithms.
- Achieved the goal of creating a one stop medical check-up center on-line for patients.
- Constructed an API using Flask framework and integrated it with a web application.

Player Recommendation System

- Conceptualized a recommendation engine as an AI module integrated with mobile app using Streamlit.
- Project focused on recommending footballers with similar playing styles to teams.

Stock Trend Forecaster

- Implemented a stock trend forecasting model using Deep learning and stacked LSTM.
- Accomplished the prediction of future value of any chosen company stock.
- Created and deployed the web application using Streamlit on Heroku platform.

T20 Score Predictor

- Executed a regression based score predictor using Xgboost regressor.
- Streamlined prediction of accurate final scores of the batting teams, given the match conditions.

Facemask Detection System

- Invented a deep learning based web application using Transfer learning and Opencv.
- Realized the goal of detecting whether a person is wearing a facemask in real time, with 97% accuracy

SKILLS

Programming Languages: Python (Programming Language) | Basic knowledge of R-programming | HTML | CSS

Frameworks: TensorFlow | Keras | PyTorch | Scikit-Learn | Huggingface

Databases: MySQL | MongoDB | Basic Knowledge of Oracle

Cloud Platforms: Amazon (AWS) | Google Cloud Platform (GCP) | Heroku

Visualization: Tableau | Microsoft Power-BI | Microsoft Excel | Matplotlib | Seaborn

Data Science & Miscellaneous: ETL | Data Science Pipeline (Cleansing, Wrangling, Visualization, Interpretation) | Statistics | Hypothesis Testing | Data Analysis | Computer Vision (OpenCV) | Natural Language Processing (NLP) | Time Series | A/B Testing

Other Skills: Knowledge of Agile software development life cycle| Excellent in verbal - written communication and presentation | Problem-Solving | Leadership & Team work