Pranav Belgaonkar

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EDUCATION

Bachelor's in Technology - **Electronics** with **Honours in Machine Learning and Artificial Intelligence**   June 2018 - June 2022

8.69 - CGPA

Vishwakarma Institute of Technology, Pune

SKILLS

- **Programming Languages:** Python, SQL, R, C++, C
- **Data Science and Machine Learning:** Statistics, MS-Excel, Databases(MySQL), Data Science Pipeline (Exploratory data analysis, Data Visualization), Business Intelligence/BI (Tableau, Power BI)
- **Miscellaneous Skills:** Data Structures and Algorithm, OOP, Computer Vision, Finance

INTERNSHIP EXPERIENCE

Foundation of Smart Manufacturing, Indian Institute of Technology - Delhi

Summer Intern   June 2021 - July 2021

- Training conducted by Indian Institute of Technology - Delhi in all aspects of Industrial Internet of Things and Dashboarding.
- Narrowed down important parameters that are critical for the working of a manufacturing machine.
- Developed dashboards to display real-time data most effectively for multiple categories of users using those critical parameters.

All India Council for Technical Education, Pune

Research Intern   September 2021 - January 2022

- Found suppliers for purchasing multiple 'Above Elbow Myoelectric Prosthetic Arm' for research purposes.
- Wrote extensive documentation containing information regarding the design and implementation of parts in a Prosthetic Arm.
- Designed 2 practical variations of working Prosthetic Arms in SolidWorks.

PROJECTS

Car Price Prediction using Machine Learning

- Performed Feature engineering to have better parameters to feed the machine learning algorithm.
- Predicted the price of second-hand cars after using optimum parameters for the Random Forest algorithm using cross-validation.
- Deployed the model on the web with Flask.

Mobile Application to detect Diabetic Retinopathy

- We developed a mobile application that could detect 5 stages of Diabetic Retinopathy.
- Responsible for creating the neural network model using ResNet 50, and trained on a set of 3600 images.

Data Visualisation and Analytics for Sales Data in Tableau

- Connected a MYSQL database and performed data cleaning to make sure that the data is uniform.
- Extracted indicators to show a decline in sales by an average of 33% in the data.
- Created a dashboard that would provide solutions to increase sales.

EXTRA-CURRICULARS

Data Analyst Course - *Stige.tech*

- Preparation and hands-on experience for all the skills required to thrive in the analytics domain.

Head of Payload division - *Trident SatLab (College club)*

- Conducted research on novel concepts and sensors that can be utilized as a payload for a small satellite of size 10x10x10cm.
- Successfully researched and documented 2 concepts that can be used in a small satellite.

Club secretary - *Mirage Campus Film Society (College Club)*

- Created a Discord server that has almost 200 members as part of the film appreciation community in college.
- Guided the organising team to arrange activities and improve our reach amongst the target audience.