

# Pranav Belgaonkar

## Aspiring Data Analyst

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### EDUCATION

Bachelor's in Technology - Electronics with Honours in **Machine Learning and Artificial Intelligence** ( 8.82 - CGPA )  
Vishwakarma Institute of Technology, Pune

June 2018 - June 2022

### SKILLS

- **Programming Languages:** Python (Numpy, Pandas, Seaborn), SQL, R, C++, C
- **Data Science:** Statistics, Web Scraping, MS-Excel, Databases( MySQL), Data Science Pipeline (Exploratory data analysis, Data Visualization), Business Intelligence/BI (Tableau, Power BI)
- **Machine Learning and AI:** Machine Learning Algorithms, Computer Vision, Time Series Forecasting
- **Miscellaneous Skills:** Data Structures and Algorithm, OOP, Finance, Solidworks

### INTERNSHIP EXPERIENCE

#### **All India Council for Technical Education, Pune**

*Research Intern*

September 2021 - January 2022

- Found 3 suppliers for purchasing multiple 'Above Elbow Myoelectric Prosthetic Arm' for research purposes.
- Wrote extensive documentation reviewing more than 20 papers regarding the design and implementation of Prosthetic Arms.
- Designed 2 practical variations of working Prosthetic Arms in SolidWorks.

#### **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 operating a manufacturing machine.
- Developed dashboards to display real-time data most effectively for multiple categories of users using those critical parameters.

### PROJECTS

#### **Defaulter Detection using Exploratory Data Analysis (EDA)**

- Performed EDA on the dataset with more than 16 lakh data points to gain insights to reduce the chances of default on loans.
- Cleaned the dataset by handling null values through appropriate ways such as removing or imputing data points.
- Identified important features from a dataset containing more than 120 features that could help identify defaulters.

#### **Mobile Application to detect Diabetic Retinopathy**

- Developed a mobile application to detect 5 stages of Diabetic Retinopathy along with 4 team members.
- Trained the ResNet 50 neural network model 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 from the data to show a decline in sales by an average of 33%.
- Created dashboards and storyboards that would provide insights into reasons for decreasing sales and potential solutions.

### EXTRA-CURRICULARS

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

- Conducted in-depth research on novel concepts that can be implemented as a payload for a small satellite of size 10x10x10cm.
- Currently leading a team of 3 researchers for ideation and implementation of payload ideas for the satellite.

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

- Created a Discord server that has almost 300 members as part of the film appreciation community in college.
- Organized 1 successful online event with a team of 10 members in limited time for 25 attendants.
- Conducted induction for freshers to convey the purpose behind the club for past 2 years.