

# Pranay Mohadikar

[pmohadikar.94@gmail.com](mailto:pmohadikar.94@gmail.com) | [GitHub](#) | [LinkedIn](#) | +919717037328

## PROFESSIONAL EXPERIENCE

**Data Analyst II**, Simplify360, Bangalore

Nov 2022-Present

- Collaborated with the **ITC team** to analyze their **social media** presence in the **cigarette industry** and provided recommendations to **enhance their marketing strategies**, aiming to **boost sales and market share**.
- Worked with the **Max Life Insurance** team to conduct **sentiment analysis** on social media data, analyzing **100,000** conversations **monthly**. Developed a **transformer-based sentiment analyzer** to get the corrected sentiment to reduce the manual transformation.
- Partnered with the **ICICI** team to deliver insights on branch operations based on **Google Business reviews**, calculating a **Progressive Score** to evaluate the performance of each branch.
- Collaborated with **US and India marketing team** to provide the **pitch reports and Power BI dashboards** for different industries (e-commerce, aviation, etc).

**Data Analyst**, Matrix Clothing, Haryana

Nov 2021-Oct 2022

- Analyzed **100K** raw data daily and monthly production data from production lines and **created BI reports** using SQL Server Reporting **Services (SSRS)** through **WFX ERP**, and developed dashboards.
- Collaborated with production team to decrease the **production time** by **20%** by introducing **automation** in some of production lines.
- Eliminated the **shipping delays** and increase sales through analysis by **10%**

**POC – Size and Defect Detection**

- With the help of **Computer Vision** size detection become easy and reduce the end-to-end production time
- Utilized **Python** and **created Deep Learning** model for **defect detection** system for the production line and achieved **82%** accuracy which reduce the number of labours that can be utilized somewhere else.

**Researcher with IIT Ropar**, Ralson Tires, Punjab

Sept 2019-Apr 2020

- Worked closely with chemical engineers to optimize the curing process by **30%** with the help of **Python** and simulated on **ABAQUS** and attained **90%** curing at some parts of tire.

## PROJECTS

**Casting Product Inspection**

Developed a deep learning model for defect detection in casting products using **7,348** images, achieving an F-score of **99%** with balanced and cleaned data.

**Counter Strike: Global Offensive Twitch Analysis**

Analyzed Kaggle data and found a **44% decrease** in CSGO viewership and streaming hours due to VALORANT's rise since 2020, and created a **Tableau dashboard** showing CSGO's position on Twitch.

**Netflix Originals Dashboard**

Cleaned and analyzed raw data using Microsoft SQL for KPIs, time, rating, and price, and prepared a Tableau dashboard showing various indicators and documentaries with an average rating of **6.9**.

**Climate Visibility Prediction**

Cleaned and analyzed **~100K** rows of raw data using Python with EDA and visualization, extracted features, removed outliers, and achieved an **RMSE** of **2.2** and an **R-squared score** of **0.71**.

## TECHNICAL SKILLS

**Languages:** Python, Structured Query Language (SQL)

**Database:** Microsoft-SQL, MY SQL, Big Query

**Software and Tools:** Anaconda, Tableau, Google Colaboratory, Jupyter, Microsoft Excel, SQL Server Reporting Service (SSRS), Power BI, Google Looker studio (in progress)

**Libraries:** Pandas, Numpy, Matplotlib, Plotly Express, Keras, Scikit-Learn, Flask, OpenCV

**Data Science:** Machine Learning (Linear Regression, Logistic Regression, Decision Tree, Random Forest, XGBoost), Deep Learning, Computer Vision, Data Visualization, Predictive Analysis, Exploratory Data Analysis

## EDUCATION

**Indian Institute of Technology, Ropar** || *Masters in Mechanics and Design*

May 2020

- Relevant Coursework: Algebra, Calculus, Python, Numerical Methods

**Delhi Technological University, Delhi** || *Bachelors in Mechanical Engineering*

June 2016