

# Omkar Mahantesh Javali

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## Skills

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**Languages:** C/C++, Python, SQL, PHP

**IDEs:** Jupyter Notebook, VS Code, PyCharm

**Technologies and Tools:** Machine Learning, Power BI, Microsoft Excel, Microsoft Word, Pandas, NumPy, Matplotlib

## Work Experience

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Coincent Technology, Bangalore

Oct 2022 – Dec 2022

### *Data Science with Python Intern*

- Worked on prediction models using basic Machine Learning algorithms, focusing on Linear Regression.
- Developed and implemented the "House Price Prediction" model to predict housing prices based on various features.
- Cleaned and manipulated raw data using Python libraries such as Pandas and NumPy.
- Trained and tested the Linear Regression model to foster accurate predictions of house prices.
- Analysed code and corrected errors to optimize output.

## Education

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Jain College of Engineering and Research, Karnataka

Aug 2019 – May 2023

*B.E in Computer Science and Engineering*

**CGPA: 9.29/10**

Relevant Coursework: Data Structures and Applications, Design and Analysis of Algorithm, Operating Systems, Object Oriented Concepts, Computer Networks and Security, Database Management Systems, Application Development using Python, Web Technology and its Applications, Cloud Computing and its Applications, Artificial Intelligence and Machine Learning, Big Data Analytics, Internet of Things.

## Project Works

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- **Telecom Performance Analysis (2024):**  
Led a data analysis project aimed at analysing the impact of Telecom's 5G launch on key performance indicators (KPIs) and provided actionable insights to support decision-making for top-level management. Developed and implemented a comprehensive comparison report using Power BI, evaluating pre- and post-5G launch metrics. Translated complex data into intuitive and visually appealing dashboards tailored for top-level executives. Identified additional insights beyond the provided metrics to enhance understanding and drive strategic decision-making.  
*Skills used:* Power BI, Data Analysis, Dashboard Design.
- **T20 World Cup Analysis 2022 (2024):**  
Conducted web scraping of player statistics from the ESPN official website using Bright Data, ensuring accurate and comprehensive data retrieval. Utilized Pandas for data cleaning and preprocessing, enhancing data quality and ensuring consistency for analysis. Developed interactive dashboards using Power BI, enabling stakeholders to explore player performance metrics and trends. Formulated an optimal team composition comprising 11 players from various countries, maximizing strengths and minimizing weaknesses based on data-driven insights.  
*Skills Used:* Web Scraping, Data Cleaning, Data Visualization.
- **Automatic Traffic Rule Violation Detection and Fine Collection using Machine Learning (2023):**  
Developed a model for real improvements in road safety by showcasing a thorough understanding of advanced technologies in computer vision, machine learning and automated system. The successful implementation of YOLOv5, ALPR API, notification and payment functionalities highlights the project's ability to precisely and efficiently handle traffic infractions. Our model's accuracy rate is **91.1%**.

## Publication

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**"Survey on Traffic Rule Violation Detection and Fine Collection using Machine Learning" 2023.** Published in Journal of Research in Computer Science and Engineering, Volume 8, Issue 1. ISSN-No: 24570818.

## Awards and Certificates

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- Awarded *"Best Outgoing Student"* of class 2023 from Department of Computer Science and Engineering at my School of Engineering.
- Databases and SQL for Data Science with Python (with Honors) from IBM.
- Data Analysis with Python from IBM.
- Attended industrial training of 6 weeks on *"Machine Learning"*, obtained 71% marks.