



Madan Maskara

Data Analyst • Machine Learning Engineer • Data Science

CMR Institute of Technology • 2025 Pass out



Work Experience

Data Analyst Intern (Remote) @ DatatoBiz, [Link](#) Bangalore

Oct 2024 - Jan 2025 (3 months) | Semi-fulltime

- Sales and Revenue Performance Dashboard for a retail client, aimed at identifying trends, anomalies, and opportunities across product categories, regions, and customer segments.
- Designed and built interactive dashboards in Tableau to visualize daily, weekly, and monthly sales trends. Integrated data from PostgreSQL to ensure seamless real-time data updates and accuracy. Collaborated with data engineers to understand data sources and with business analysts to align visuals with KPIs. Optimized performance by aggregating data, reducing unnecessary joins, and limiting dashboard complexity.
- Dynamic filters for product category, region, and time range. KPI cards showing total sales, profit margin, customer acquisition, and YoY growth. Trend lines and heat maps to identify high and low-performing regions. Automated refresh schedules set up for real-time data using Tableau Server. Export and sharing options configured for stakeholders to receive weekly reports via email.

Skills Developed: PostgreSQL, Tableau, Data Cleaning, Data Analysis, Data Visualisation

Team Members: Nageshwar Reddy (Data Analyst), Nandeesh Reddy C (Senior Business Intelligence Developer)

Projects

Time Series Forecasting and Financial Data Analysis [</>](#)

- Collected and cleaned financial time-series data by handling currency formatting, missing values, and outliers. Conducted exploratory data analysis (EDA) using visualizations and summary statistics to understand trends and seasonality.
- Applied machine learning models including Random Forest, Linear Regression, SVR, and XGBoost for predictive modeling.
- Performed ARIMA-based time series forecasting and seasonal decomposition for temporal insights.

Skills Developed: Python, Machine Learning, Data Analysis

Walmart Data Analysis Project [</>](#)

- Extracted Walmart sales data using the Kaggle API and performed data cleaning, preprocessing, and transformation using Python to ensure high-quality structured data.

Tagline

Aspiring Data Scientist with hands-on skills in Python, SQL, Excel, Tableau, and Machine Learning. Passionate about uncovering insights from data and building predictive models that drive decisions.

Skills

Data Analysis | Data Visualisation | Tableau | Python | Machine Learning | PostgreSQL | MySQL | Data Science

Education

CMR Institute of Technology, Bangalore
B.E., Electronics & Communication Engineering (ECE) | 7.1 CGPA

2021 - 2025

DAV School

Class XII | 8 CGPA

2020 - 2020

Certifications & Courses

Cuvette Data Science Course

- Acquired hands-on experience in data handling, visualization, and predictive modeling. Key Skills Learned: • PostgreSQL – Writing and optimizing queries for relational databases. • MS Excel – Data cleaning, pivot tables, dashboards, and VLOOKUP/XLOOKUP. • Tableau – Building interactive dashboards and business KPIs visualization. • Python – Data manipulation (Pandas, NumPy), data visualization (Matplotlib, Seaborn). • Machine Learning – Supervised & unsupervised learning models using scikit-learn.

December 2024 | [Certificate Link](#)

100 Days of Code: The Complete Python Pro Bootcamp

- Python fundamentals & best practices, Object-Oriented Programming (OOP), SQL and data management Capstone projects and portfolio-ready applications

July 2024 | [Certificate Link](#)

- Loaded processed data into PostgreSQL, executed complex queries, and conducted analysis to derive actionable insights for solving key business challenges.
- Technologies Used: Python, PostgreSQL.

Skills Developed: Python, PostgreSQL, Data Analysis

COVID-19 Data Dashboard for India using Tableau



- This project involves the creation of an interactive Tableau dashboard to visualize and analyze the impact of COVID-19 in India. The dashboard provides a comprehensive view of the pandemic by showcasing key metrics such as confirmed cases, recoveries, deaths, active cases, and testing rates across different states and time periods.
- Key features include: State-wise and national-level case trends
Daily and cumulative statistics
Time-series analysis to track the spread
Comparative visualizations between states
Demographic breakdowns (if included, such as age/gender-based insights)
Filters and interactivity to explore specific dates or states
- The goal of this dashboard is to offer clear insights for health professionals, researchers, and the general public, enabling data-driven decision-making and awareness during the pandemic.

Skills Developed: Python, Tableau, Data Analysis, Data Visualisation

Achievements/ Extracurricular Activities

- Second Position at IEEE AI Hackathon (August 2021): Innovated a cutting-edge surveillance system with OpenCV and Machine Learning. Deployed drone technology for event classification and live bot tracking, achieving a 35% improvement in operational efficiency and coverage. Tools used: Arduino IDE, QGIS, VS code.