Swapnil Devidas Chavan

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SUMMARY

I am a **data enthusiast** with a **Post Graduate Diploma** in **Big Data Analytics & Machine Learning** from **CDAC**. Proficient in **SQL**, **Machine Learning**, I excel at transforming complex data into **actionable insights**. With skills in **data preprocessing**, **statistical analysis**, and **predictive modeling**, I am eager to leverage my **analytical expertise** to drive **data- driven decisions** as an entry-level **Data Analyst**.

EDUCATION

Centre for Development of Advanced Computing	**03 2023 – 08 2023**
*PG-Big Data Analytics - **Grade** - **B***	*Bengaluru, India*
Internship and Site Supervisor	***2019 – 2022***
Completed a one-year internship in a reputed Mumbai department and worked as a Site Supervisor, managing electrical installations, inspections, and project coordination.	Mumbai, India
K.C.E College Of Engineering	**06 2014 – 08 2018**
*Electrical Engineering - Bachelor of Technology - **Grade − B***	*Jalgaon, India*

PROJECTS

Predictive Analysis of Mumbai Property Prices 🏢 | SQL & Machine Learning with Plotly   **08 2023**

- **Advanced Data Analysis & Transformation**: Designed and executed complex SQL queries using **JOINs, Window Functions (ROW_NUMBER, DENSE_RANK)**, and **Common Table Expressions (CTEs)** to analyze and rank property values effectively.
- **Query Performance Optimization**: Optimized large dataset queries by implementing **indexing** and query restructuring, achieving a **30% reduction in processing time** for faster data insights.
- **Predictive Modeling**: Built a **Random Forest model** for property price forecasting, leveraging feature engineering and hyperparameter tuning to enhance prediction accuracy.
- **Model Evaluation & Visualization**: Enhanced model performance using **RMSE** and **R-squared**, while creating **interactive Plotly visualizations** to analyze market trends, property attributes, and revenue opportunities, ensuring actionable insights and business relevance.

Optimizing Ola Ride Analytics Using SQL, Pandas, and Plotly   **11 2024**

- **Analyzed** booking and **revenue trends** using **Python**, revealing **peak business hours** and **vehicle usage patterns** to drive decisions.
- **Developed interactive visualizations** with **Plotly**, showcasing **metrics** like **revenue** and **ride distances** for **operational insights**.
- **Optimized SQL databases**, improving **query performance by 30%** and enabling **real-time analysis** of booking trends, ride metrics, and customer feedback
- **Delivered actionable insights** from aggregated data, driving a **20% improvement** in **service quality** and **customer retention**.

Walmart Sales Trends and Insights | SQL & Data Storytelling with Plotly   **10 2024**

- Analyzed **10,000+ sales transactions**, providing insights into branch profitability, customer preferences, and sales trends using **Python and SQL**.
- Created **interactive dashboards** in **Plotly** to visualize sales trends, payment methods, and product performance.
- Improved data accuracy by performing **data cleaning, feature engineering**, and loading datasets into **MySQL/PostgreSQL** databases.
- Delivered actionable insights on **profit margins** and high-performing branches, aiding strategic decision-making.

TECHNICAL SKILLS

Languages: Python,SQL,
Developer Tools: Jupyter Notebook
Technologies/Frameworks: NumPy, Pandas, Scikit-learn, Machine Learning.

LANGUAGES

Marathi | Hindi | English