

Malay Thumbar

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WORK EXPERIENCE

Reve Automation – Data Analysis Intern

March 2025 – Present

- Involved in end-to-end data analysis workflow including data collection, cleaning, visualization, and predictive modeling to support business decisions.
- Built predictive models using Python to forecast equipment metrics, contributing to strategies.
- Collaborated closely with engineering and operations teams to gather requirements and ensure actionable insights from data analysis are aligned with business objectives.

Adani Group (Adani Cement) – Data Analysis Intern

July 2024 – September 2024

- Tasked with identifying market opportunities and understanding micro-markets for Adani Cement in Maharashtra.
- Analyzed and identified whitespace opportunities in micro-markets across Maharashtra to provide data-driven insights for market growth strategies.
- Collaborated with cross-functional teams to collect and validate data, ensuring a comprehensive understanding of market trends. Automated Power BI dashboards to streamline daily tracking of market and sales data, reducing manual reporting time by 90%. Conducted growth and degrowth analysis using data from various departments.
- Successfully identified key growth and degrowth areas with 100% accuracy, leading to optimized strategic planning. The dashboard enabled real-time decision-making for senior management.

PROJECTS

Sales Insight Project

- Analyzed sales data comprising 150,000 rows using MySQL and Power BI for a computer hardware business.
- Conducted ETL operations to clean, structure, and integrate data from MySQL for Power BI usage.
- Developed a sales dashboard in Power BI, providing real-time insights and facilitating data-driven decision-making.
- Gathered feedback to iteratively improve the dashboard for better sales performance tracking.

Loan Prediction

- Developed a loan prediction model using Machine learning on a dataset (from Kaggle) with 250,000 records.
- Built an accurate, reliable model to predict loan outcomes, comparing various ML algorithms to find the best fit.
- Utilized Python and Jupyter Notebook for Exploratory Data Analysis, data cleaning, and model training. Implemented multiple ML models, optimized hyper-parameters, and evaluated performance with cross-validation.
- Achieved improved prediction accuracy, identifying the best model for deployment, enabling better loan decision-making and risk reduction.

Financial Dashboard

- Created a comprehensive dashboard by analyzing a dataset that tracked the company's revenue, gross margin, and department-wise expenses over time, and overall financial performance to support strategic decision-making.
- The data was cleaned and transformed, and financial KPIs (e.g., Gross Margin, Expense Ratios) were implemented into dynamic visualizations using Excel.
- The dashboard enabled an improvement in the decision-making process by providing clear, real-time insights into budget allocations, expense control, and revenue growth trends.

EDUCATION

Dwarkadas J. Sanghvi College of Engineering – Mumbai

Bachelor of Technology in Mechanical Engineering

CGPA: 7.68

March 2021 - June 2024

Nirmala College of Science & Commerce – Mumbai

Higher Secondary Certificate (HSC)

Percentage: 82.31%

June 2019 - June 2020

M.K.V.V. International Vidyalaya – Mumbai

10th (C.B.S.E.)

Percentage: 92.8%

April 2017 - March 2018

TECHNICAL SKILLS

- Programming Languages:** Python, SQL
- Data Analysis Tools:** Excel, Power BI, Tableau, Alteryx, R
- Other:** MS Office Suite

CERTIFICATES

- Google Advanced Data Analytics Certificate
- Data analyst in Power BI Track
- Google Data Analytics Professional Certificate
- Python for Everybody (University of Michigan)

LANGUAGES

- Fluent:** English, Hindi, Gujarati
- Beginner:** French, German, Japanese

ADDITIONAL INFORMATION

- Soft Skills:** Communication, Problem-Solving, Teamwork, Critical Thinking, Quick Learner
- Interests:** Technology, Cricket