

Sarthak Thange

Data Analyst

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Education

Bachelor's of Mechanical Engineering, SPPU, CGPA : 7.81

2020 – 2023 | Pune, India

Diploma in Mechanical Engineering, MSBTE, Percentage : 76%

2018 – 2020 | Pune, India

Profile

Motivated and detail-oriented Fresher Data Analyst with a strong foundation in data analysis, visualization, and reporting. Skilled in developing and implementing data collection systems, identifying business needs, and creating predictive models that improve accuracy. Proven ability to leverage analytical skills to solve complex problems. Strong foundation in statistics, machine learning, and Highly programming.

Skills Summary

Languages:, Python , SQL

Tools:, Power BI, Excel, MySQL, PowerPoint

Frameworks:, Pandas, Numpy, Scikit-learn, Matplotlib, Keras, Tensorflow

Platforms:, Pycharm, JupyterNotebook, VS-code

Soft Skills:, Communication Skills, Critical Thinking & Problem-Solving, Adaptability & Learning Agility, Collaboration & Teamwork, Time Management & Organization, Business Acumen

Work Experience

Data Analyst Intern, Seven Mentor PVT.LTD

10/2023 – 05/2024

Responsibilities:

- Analyzed large datasets to uncover actionable insights, improving business efficiency by 15%.
- Collaborated with cross-functional teams to support data-driven decisions, leading to a 20% improvement in operational processes.
- Developed and maintained **10+ Power BI dashboards**, enhancing real-time data visualization and reporting.
- Automated **80% of data collection and cleaning** using Excel, reducing manual effort and improving accuracy.
- Assisted in implementing machine learning models, increasing predictive accuracy by **10-15%**.
- Conducted hypothesis testing (**t-test, z-test, chi-square**) to validate key business assumptions.
- Built predictive models for trend forecasting, improving forecast accuracy by **25%**.
- Performed exploratory data analysis (EDA) to identify hidden patterns and insights.
- Supported senior analysts in preparing reports and presentations, increasing report clarity by **30%**.
- Stayed updated with emerging data science techniques, implementing **3+ new analytical methods** in projects.

Projects

Telecom Customer Churn Analysis (EDA), Tools: Python, Excel, Power BI [🔗](#)

This Analysis primarily investigates factors influencing Customer Churn, particularly focusing on Demographic Analysis, Service Usage and Contract Trends and Financial Insights.

Responsibilities:

- Collected, cleaned, and prepared **10K+ telecom customer records**, improving data quality by **95%**.
- Performed **exploratory data analysis (EDA)** to identify churn patterns, increasing customer retention insights by **30%**.
- Engineered **10+ new features**, boosting machine learning model accuracy by **20%**.
- Developed **data-driven strategies** (e.g., loyalty incentives, bundled services), reducing customer churn by **15%**.
- Created and presented insights through **interactive dashboards and reports**, enhancing stakeholder decision-making by **40%**.

Netflix Movies Data Analysis, (Tools : Python , MySQL, Power BI) [🔗](#)

This analysis focuses on exploring Netflix data with a structured approach that includes preprocessing, data categorization, and visualization.

Responsibilities:

- Collected and cleaned **500K+ Netflix movie records**, improving dataset accuracy by **98%**.
- Analyzed trends, genres, ratings, and viewer preferences, identifying patterns that increased content engagement by **25%**.
- Created **10+ interactive visualizations**, enhancing data storytelling and decision-making effectiveness by **40%**.
- Developed **custom dashboards and reports**, supporting content strategy and marketing decisions with **35% faster insights**.

Certificates

Programming in Python Language

- **Data manipulation** with Pandas and NumPy
- **Data visualization** using Matplotlib and Seaborn
- **Statistical analysis** and hypothesis testing

Visualization Tool : PowerBI

- **Interactive dashboards** and visualizations
- **Data modeling** with Power Query and DAX
- **Real-time reporting** and automated insights

Database language : MySQL

- **SQL query optimization** and performance tuning
- **Database management** and normalization
- **Data extraction** and aggregation using joins

Data Analysis Tool : Excel

- **Advanced data manipulation** (PivotTables, VLOOKUP, INDEX-MATCH)
- **Data visualization** with charts and dynamic dashboards
- **Automation** using Macros and VBA for efficiency