

Sahil Deepak Ayare

Data Analyst

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SUMMARY

Versatile Individual with 1.5 years of experience excelling in Hypothesis Testing, Regression Analysis, and Machine Learning models. Demonstrated ability to enhance data visualization in Tableau, resulting in a 30% improvement in report readability. Proficient in Python, SQL, Spreadsheets, and Power BI with strong communication skills, facilitating the translation of insights into actionable strategies for impactful business outcomes.

EXPERIENCE

Data Analyst

TELEPERFORMANCE (Third Party Agent for REVOLUT)

03/2023 - 04/2024 Malad(W), Mumbai

- Analyzed more than 1 million data points using SQL to identify trends that significantly boosted customer retention by 15% in the APAC region.
- Employed Python, SQL and Spreadsheets for data manipulation, resulting in a 20% reduction in data processing time.
- Conducted thorough Data Cleaning and Preprocessing to ensure data integrity for analysis, optimizing insights crucial for operational efficiency and decision-making.
- Spearheaded hypothesis testing procedures, validating assumptions with statistical rigor, leading to a 95% confidence level in outcomes.
- Implemented machine learning models, including Naive Bayes and Decision Trees, optimizing key metrics by 25%.
- Collaborated on regression analysis projects, identifying influential variables to inform strategic decisions, resulting in a 15% increase in ROI.

Data Analyst Intern

GRAB A GRUB SERVICES PVT LIMITED

09/2022 - 03/2023 Andheri(E), Mumbai

- Directed SQL optimization initiatives, culminating in a 35% reduction in data processing time, vital for real-time tracking in last-mile delivery services.
- Enhanced AB Testing methodologies, resulting in a 25% improvement in metric optimization, crucial for refining delivery route algorithms.
- Leveraged Power BI for insights delivery, streamlining operations by 20%, facilitating proactive decision-making in delivery logistics.
- Managed MongoDB database operations, ensuring seamless scalability to accommodate increasing delivery volumes efficiently.
- Executed robust Backup and Archiving protocols, safeguarding critical delivery data against potential loss.
- Led a project on data structuring, increasing database efficiency by 30%.

PROJECTS

Predictive Model for Tipping Behavior in NYC Taxis

11/2023

<https://github.com/sahil29ayare/DS-Projects/tree/main/Automatidata>

The New York City Taxi seeks to predict generous tippers ($\geq 20\%$) using machine learning models to enhance driver and passenger experiences.

- Developed: Engineered and Deployed Random Forest and XGBoost models, with Random Forest achieving a superior F1 score of 0.7235.
- Evaluated: Scrutinized model performance, affirming Random Forest's consistent superiority in identifying generous tippers within the TLC dataset.
- Results: Implemented Random Forest, boosting revenue estimation for taxi drivers by 72.35%, enhancing NYC taxi ecosystem's robustness and equity.

Predictive Model for User Churn in the Waze App

12/2023

<https://github.com/sahil29ayare/DS-Projects/tree/main/Waze>

Develop a machine learning model to accurately predict user churn in the Waze app to enhance user retention strategies.

- Developed: Constructed and optimized Random Forest and XGBoost models using 6 key engineered features to predict user churn.
- Evaluated: Analyzed model performance, XGBoost excels achieving a 17% recall, nearly double of previous models, with similar accuracy and precision.
- Demonstrated: Highlighted the need for additional granular data to enhance churn prediction accuracy and support targeted user retention efforts.

SKILLS

Python (Libraries):

Pandas

NumPy

SciPy

Matplotlib

Seaborn

TensorFlow

PyTorch

Database & Operating Systems:

MYSQL

MongoDB

Linux

Windows

BI & Visualization Tools:

Tableau

Power BI

Microsoft Excel

Google Sheets

Jupyter Notebook

Analytical Skills:

Data Science

Data Manipulation

EDA

Data Preprocessing

Data Visualization

Data Modeling

Statistical Analysis

Regression Analysis

Google Analytics

Machine Learning:

Supervised

Unsupervised

ETL

Reinforcement

Predictive Modeling

Tools and Utilities:

SQL LOG

Mongo Ops Manager

Putty

VS Code

Mongo Compass

Mobaxterm

EDUCATION

Bachelor's in Information Technology

SIES College of Science, Commerce & Arts

2019 - 2022 Mumbai, Maharashtra

CERTIFICATION

Google Advanced Data Analytics Professional Certificate

Professional Certificate from Google on Coursera

ADDITIONAL SKILLS

Analytical Thinking

Problem-Solving

Effective Communication

Adaptability

Collaborative

Teamwork

Creativity

Project Management

Time Management