Sahil Giri

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· Github Kaggle

SUMMARY

Results-oriented data analyst with a strong focus on technology and efficiency. Utilized SQL and Python at Reliance Jio and KR Choksey to drive data-informed decisions, achieving a 15% increase in system uptime and a 10% boost in profitability. Expertise in developing predictive models and automating data processes highlights exceptional analytical and problem-solving skills. Committed to leveraging technology to further enhance operational effectiveness.

PROFESSIONAL EXPERIENCE

Associate Analyst - Network Ops   **June 2022 - Present**
Reliance industry

- Developed predictive models using machine learning algorithms to forecast network downtimes, improving system uptime by 15%.
- Implemented SQL-based data pipelines to automate data extraction and processing, reducing operational delays by 20%.
- Created real-time Tableau dashboards to visualize network performance and KPIs, enhancing decision-making.
- Optimized network performance by applying statistical techniques and analyzing historical data, improving customer experience by 10%.
- Collaborated with cross-functional teams to resolve network outages, reducing mean time to repair (MTTR) by 30%.
- Monitored and maintained high-availability systems using advanced data monitoring tools to ensure 24/7 operational efficiency.
- Designed and executed A/B testing experiments to evaluate network improvement strategies, leading to a 12% boost in service quality.
- Reduced system errors by 20% through root cause analysis and implementing preventive measures.

KR Choksey   **October 2021 – May 2022**

IT Administrator

- Developed and maintained SQL databases for tracking stock market trends, enhancing decision-making capabilities for trading strategies.
- Built Power BI dashboards for data visualization, aiding financial analysts and traders, which led to a 10% increase in profitability.
- Automated Excel-based reporting tools, streamlining system monitoring and reducing manual effort by 25%.
- Utilized statistical analysis and data cleaning techniques to enhance trading algorithms, improving the speed and accuracy of data processing.Implemented predictive analysis models to forecast market trends, improving investment strategies for key stakeholders.
- Managed IT infrastructure, ensuring seamless integration and updates for trading software with zero downtime.
- Trained junior staff in the use of data analytics tools and provided technical support to improve workflow efficiency.
- Enhanced data security measures by identifying vulnerabilities, leading to a 40% reduction in potential breaches.

SKILLS

- Programming: Python, SQL
- Machine Learning: Supervised & Unsupervised Learning, Regression, Classification, Clustering, Random Forest, KNN, Neural Networks

- Data Analysis & Wrangling: Pandas, Numpy, Scikit-learn, Data Preprocessing, Feature Engineering
- Statistical Analysis: Hypothesis Testing, A/B Testing, Probability Distributions, Time Series Analysis

- Data Visualization: Tableau, Power BI, Matplotlib, Seaborn
- Cloud Platforms: AWS (Basic), Google Cloud (Basic)
- Databases: MySQL, PostgreSQL, SQLite

EDUCATION

Bachelor of Engineering in Electronics Telecommunication
MGM College of Engineering and Technology, Navi Mumbai, India

2021

PROJECTS

1. **Network Performance Prediction**
Tools Used: Python, Machine Learning, SQL, Tableau
- Developed a predictive model to forecast network downtimes, improving uptime by 15%.
- Utilized feature engineering, cross-validation, and real-time dashboard integration.

2. **Stock Market Analytics Dashboard**
Tools Used: Tableau, Power BI, SQL
- Designed an interactive dashboard to analyze stock market trends, increasing forecasting accuracy by 10%.
- Automated ETL pipelines for real-time data visualization and improved trading strategies.

3. **IPL Data Monitoring Tool**
Tools Used: Python, Tableau, Excel
- Built a data analysis tool to monitor IPL player and team performance, providing actionable insights.
- Conducted EDA and created Tableau dashboards to enhance decision-making.

4. **Aptitude Analysis Framework**
Tools Used: Python, Statistics
- Developed a system to evaluate aptitude tests and generate personalized insights, improving test performance.
- Applied statistical models to identify areas of improvement and optimize learning strategies.

5. **Sleep Disorder Analysis**
Tools Used: Python, Machine Learning, Pandas, Seaborn
- Conducted EDA and built machine learning models to classify sleep disorders with 90% accuracy.
- Visualized insights to assist healthcare professionals in better understanding patient data.

Certifications

- Advanced Data Analysis with Python — Udemy
- Certified Tableau Specialist — Tableau
- SQL for Data Science — Coursera
- Machine Learning — Coursera (Andrew Ng)
- Data Science and Machine Learning Bootcamp — DataCamp