SAI RAHUL DASARI

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GitHub: github.com/Rahhuul07
Portfolio: rahhuul07.github.io/My-Portfolio/

SUMMARY

Results-driven Data nalyst with experience in leveraging data analytics, business intelligence, and predictive modeling to drive strategic decision-making. Proficient in SQL, Power BI, Tableau, and Python, with expertise in data visualization, process automation, and operational optimization. At United Airlines, analyzed large datasets to enhance customer experience, operational efficiency, and forecasting accuracy. At Younify ACE Campus Radio, optimized content performance, audience engagement, and digital outreach through data-driven insights. Adept at collaborating with cross-functional teams to translate complex data into actionable strategies that improve business outcomes.

WORK EXPERIENCE

United Airlines October 2023 - January 2025
Data Analyst

- Data-Driven Decision Making – Analyzed large datasets to identify trends, optimize operations, and enhance customer experience
- Business Intelligence and Reporting – Developed interactive dashboards using Power BI/Tableau, enabling real-time insights for leadership
- SQL and Data Extraction – Wrote complex SQL queries to retrieve and process data from relational databases for key business reports
- Operational Efficiency – Identified bottlenecks in airline operations and implemented data-driven solutions, improving on-time performance
- Customer Insights – Conducted sentiment analysis on customer feedback to enhance service quality and loyalty programs
- Forecasting and Predictive Analytics – Built predictive models to anticipate demand, optimize flight scheduling, and reduce costs
- Collaboration and Stakeholder Engagement – Worked with cross-functional teams to translate business needs into actionable insights
- Process Automation – Utilized Python/VBA to automate repetitive tasks, reducing manual effort and improving efficiency

Younify ACE Campus Radio August 2020 - July 2023
Data Analyst

- Analyzed listener data to identify trends, peak listening times, and engagement patterns
- Created interactive dashboards using Power BI and Tableau to visualize audience demographics and content performance
- Utilized SQL to query large datasets and extract key insights on radio streaming and advertising effectiveness
- Evaluated ad campaign performance using data-driven metrics, optimizing placements for better ROI
- Provided data-backed recommendations to curate trending playlists and improve show scheduling
- Monitored social media and digital engagement metrics to enhance digital outreach strategies
- Developed predictive models to forecast audience growth and optimize content delivery strategies
- Collaborated with marketing, content, and sales teams to align data insights with business objectives
- Automated data processing workflows using Python and VBA to streamline reporting and reduce manual effort
- Conducted A/B testing on content strategies to measure audience engagement and optimize programming decisions

TECHNICAL SKILLS

Programming Languages: Numpy, Python, R, SQL, Java, JavaScript
Data Visualization and BI Tools: Power BI, Tableau, MS Excel
Data Analysis and Modeling: Pandas, Scikit-learn, Statistics

Collaboration and Communication: Teamwork, data storytelling, and reporting
Other Skills: Snowflake,Elasticsearch, Kibana, Visual design skills, Great attitude

EDUCATION

M.S. Computer Science Graduating December 2024
New Jersey Institute of Technology, Newark, NJ 3.40 GPA

Relevant coursework: Data Management System Design, Machine Learning, Data Analytics in R, Artificial Intelligence, Data Mining, Software Design and Production Methodology, Corporate Finance, Web Systems Development, Operating Systems, Data Structures and Algorithms

ACADEMIC PROJECTS

HR Analytics Dashboard
Independently developed and deployed a high-accuracy machine learning web app

- Developed an interactive Power BI dashboard analyzing HR metrics like attrition, demographics, and salary trends to support data-driven decisions
- Delivered actionable insights through user-friendly, intuitive visuals for HR professionals

Heart Attack Risk Prediction web app
Developed a Heart Attack Risk Prediction web application using machine learning, achieving 98.4 percent accuracy with the Decision Tree model for deployment

- Performed data preprocessing, exploratory data analysis (EDA), and feature selection to identify key risk factors and optimize model performance
- Built and deployed a user-friendly web interface using Streamlit, enabling real-time risk predictions with secure, responsive, and scalable design

Tomato Plant Disease Prediction
Designed and trained a Convolutional Neural Network (CNN) model with 98.74 percent accuracy for early detection of tomato plant diseases, including Early Blight and Bacterial Spot

- Analyzed a robust dataset of leaf images to classify healthy and diseased plants, enabling precision agriculture and resource optimization
- Utilized Python for data preprocessing and visualization, effectively communicating insights to highlight the model's real-world applications

OTHER ACTIVITIES

Publishing a conference paper on heart attack risk prediction webapp