

SATVIK SIDDABATHULA

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OBJECTIVE

Data Analyst with expertise in data analysis and visualization using Tableau, Power BI, and Python. Proficient in programming, statistical analysis, and data management. Experienced in automating data processes, developing predictive models, and creating interactive dashboards. Demonstrated success in enhancing decision-making and project outcomes through data-driven insights.

SKILLS

Technical Skills : Tableau, Power BI, Microsoft Excel, Matplotlib, SQL, Python, R, Java, C, C++, HTML/CSS, JavaScript, JSON, React.js, Data Cleaning, Data Warehousing, Database Management, Data integration, ETL processes

Soft Skills: Teamwork, Critical Thinking, Communication, Problem Solving, Collaboration

Tools: JIRA, MS Office Suite (Word, Excel, PowerPoint, Visio), Asana, Trello, SPSS, SAS, SAS BI, Google Data Studio, SQL Server Reporting Services (SSRS), SQL Analysis Service (SSAS), SQL Server Integration Service (SSIS), XML, UML

EDUCATION

University of Illinois Chicago, Chicago, IL

Aug 2022 - May 2024

Master of Science in Business Analytics

Relevant Courses: Big Data Analytics, Machine Learning, Advanced Database Management, Business Data Visualization, Data Mining, Predictive Analytics, Machine learning deployment

Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India

Aug 2018 - May 2022

Bachelor of Technology in Computer Science

PROFESSIONAL EXPERIENCE

Java Developer Intern | Siritek Inc, Rolling Meadows, IL

June 2024- present

- Developing scalable web applications using Java, Spring Boot, and React js, aiming to enhance application performance by 30%.
- Collaborating with cross-functional teams to design and deploy user-centric features, with an initial goal of improving user satisfaction by 25%.
- Optimizing performance and reliability through RESTful API integration and database management (SQL, NoSQL), targeting a reduction in downtime by 15%.
- Contributing to Agile practices, working towards 100% on-time delivery of project milestones and aiming to increase team productivity by 10%.

Graduate Assistant | UI Health, Chicago, IL

Dec 2022- May 2024

- Optimized R&D workflow for a lab management system using C# and .NET, accelerating result computation by 20%.
- Implemented UI features using React.js and SASS, and enhanced the company dashboard with HTML, CSS, and React.js, leading to a 63% increase in user satisfaction and improved data-driven decision-making for over 10,000 users.
- Developed and optimized SQL queries for data analysis, improving the efficiency and accuracy of drug trial data reports by 30%, streamlining the decision-making process for clinical trials.

Business Analyst | Tech Mahindra limited., India

Aug 2021- July 2022

- Spearheaded the automation of data cleaning and transformation processes using Python and SQL, enhancing data analysis efficiency by 30%. Employed advanced Excel techniques to manage and analyze large datasets from multiple sources.
- Analyzed and interpreted complex data sets to identify key market and operational trends, delivering strategic insights that informed decision-making. Contributed to a 10% improvement in project outcomes by implementing robust data visualization tools in Tableau and Power BI.
- Collaborated with diverse teams across the organization to streamline data collection and validation processes. Facilitated seamless data integration efforts, improving data accuracy and the speed of analytics by 20%.
- Led a market research initiative that quantified consumer behavior patterns and market dynamics. Utilized statistical analysis methods to bolster market understanding, supporting a strategic shift that increased project deliverables' relevance by 15%.

CERTIFICATION

- Google Data Analytics Professional Certificate
- Microsoft Certified: Data Analyst Associate (DA-100)
- Certified ScrumMaster (CSM)
- Data Science for Engineers by NPTEL

PROJECTS

Baseball Analytics Project

- Developed predictive models using Scikit-learn to forecast game outcomes and player performance, enhancing strategic decisions by 20%.
- Employed Python libraries Pandas and NumPy for precise player performance metrics, contributing to improved game strategies.
- Created dynamic visualizations with Matplotlib and Seaborn to present insights clearly and effectively to stakeholders.
- Streamlined data collection, cleaning, and processing workflows, ensuring high-quality and reliable datasets for analysis.

Heart Disease Prediction (ML)

- Developed and evaluated multiple machine learning models (Logistic Regression, XGBoost, SVM, KNN, Decision Tree, Neural Network) to predict heart failure.
- Performed data loading, cleaning, and preprocessing using Pandas, ensuring high-quality datasets for analysis.
- Created visualizations with Matplotlib to extract and present key insights effectively.
- Conducted thorough data splitting for robust training and testing, optimizing models for high prediction accuracy and reliability.

Optimizing ATM Operations: Insights from Power BI Dashboards

- Developed and implemented dynamic Power BI dashboards to analyze ATM transactions, identifying key usage trends, transaction patterns, and operational bottlenecks.
- Led comprehensive data analysis processes, including data cleaning, feature engineering, and model building, resulting in actionable insights and impactful visualizations.
- Utilized predictive modeling techniques to forecast future transaction trends, enhancing data-driven decision-making and improving ATM efficiency and customer satisfaction by 20%.