

Ajith Adhithya Mukkera

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Objective

Data Scientist with hands-on experience in data analysis, visualization, and predictive modeling, especially skilled in deriving actionable insights to support strategic decision-making. Proven expertise in using data to drive efficiency and support continuous improvement. Eager to bring analytical expertise to the People Insights team to support strategies and foster innovation.

Education

Bachelor of Technology in Mechanical Engineering
Chaitanya Deemed to be University, Hanamkonda
Graduated: 2023

Technical Skills

- Data Analysis: Python, R, SQL, Excel
- Data Visualization: Power BI, Tableau, Matplotlib, Seaborn
- Data Processing & Automation: Power Query, VBA for Excel automation
- Statistical Analysis & Modeling: Predictive modeling, Hypothesis testing, Regression, Classification
- Machine Learning: Scikit-Learn, Supervised and Unsupervised Learning
- HR Analytics: Employee Turnover Prediction, Engagement Analysis

Professional Experience

Data Scientist Intern

Social Tek AI & Business Solutions
May, 2024 – October, 2024

- Collaborated with a data scientists team to develop and enhance chatbots, focusing on various types, including customer service and informational bots.
- Conducted data analysis to understand user interactions, enabling improvements in chatbot response accuracy and user satisfaction.
- Supported the team in implementing natural language processing (NLP) models to improve the chatbot's language understanding and context recognition.
- Tested chatbot performance and helped optimize conversation flows, contributing to a more intuitive user experience.
- Documented chatbot functionality and performance metrics to ensure quality and consistency in updates and maintenance.

Projects

Construction Project Estimation Analysis

- Analyzed project schedules using historical data to estimate completion timelines, leading to a 25% increase in project scheduling accuracy.
- Built a predictive model that factored in resource allocation, environmental variables, and historical delays to aid in deadline planning.
- Implemented visualization techniques in Power BI, improving data accessibility and transparency for cross-functional teams.

Solar Power Generation Analysis

- Developed a forecasting model to predict daily power generation for a solar plant, using historical weather data and power output.
- Analyzed over 100,000 rows of data to uncover patterns related to seasonal changes, resulting in a 15% reduction in power generation forecasting errors.
- Created a Power BI dashboard to monitor daily yields, ambient temperature effects, and system performance.

Atliq Sales Dashboard

- Conducted a detailed sales analysis for Atliq, generating insights from over 50,000 data points on customer demographics, regional performance, and product trends.
- Developed an interactive Power BI dashboard, which led to a 20% increase in sales efficiency by providing real-time access to key sales metrics.
- Identified underperforming products, resulting in a targeted strategy that increased revenue in specific regions by 15%.

Toy Sales Report

- Analyzed toy sales data using Python and Power BI, integrating multiple datasets (inventory, sales, store locations) to identify sales trends and optimize inventory.
- Delivered insights on product performance across regions, reducing inventory costs by 18% through effective demand forecasting.
- Created an interactive dashboard to support marketing and inventory teams in adjusting strategies based on real-time sales data.

Certifications

Data Science with Python- Social Prachar

Soft Skills

- Strong analytical and problem-solving abilities
- Excellent communication and presentation skills for both technical and non-technical stakeholders
- Highly detail-oriented with strong organizational skills

- Collaborative team player with the ability to work independently when needed