Mahankali Sai Kumar

Data Analyst

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Summary

Data Analyst with hands-on experience in improving business performance by building and automating data pipelines, creating real-time dashboards, and delivering actionable insights. Increased accuracy and efficiency in data reporting by 25% and identified cost-saving opportunities that saved $11,000 in marketing expenses. Proficient in Python, SQL, Tableau, and machine learning models.

Education

Bachelor of Technology in Electronics and Communication Engineering

NRI Institute of Technology, Vijayawada

Expected Graduation: 2024 | CGPA: 7.79

Skills & Competencies

- Data Analysis & Visualization: Developed SQL and Tableau dashboards providing real-time insights that improved decision-making in 3 departments.

- Automation: Automated data pipelines to reduce manual effort by 20% and saved 15 hours per week on data processing tasks.

- Programming Languages: Python, Java, SQL, C

- Machine Learning Tools: PyTorch, XGBoost, PySpark

- Data Modeling & Optimization: Improved prediction accuracy by 18% through hyperparameter tuning and cross-validation techniques.

Certifications

- Data Science Fundamentals - IBM Cognito Labs

- Python for Beginners - Pantech E Learnings

- PCB Workshop - NRI Institute of Technology

Professional Experience

Data Scientist Intern | Codespace, Maharashtra | Nov 2023 - Feb 2024

- Increased data accuracy by 25% by implementing custom algorithms for cleaning and validating datasets.

- Built real-time SQL and Tableau dashboards, enabling product, marketing, and executive teams to make faster, data-backed decisions.

- Automated key data pipelines, reducing manual work by 15 hours weekly and improving the data transformation process by 30%.

Data Scientist Intern | Skilldezire, Hyderabad | Sep 2023 - Feb 2024

- Led a data-driven analysis project that saved $11,000 annually in marketing campaign costs by identifying underperforming segments and reallocating resources.

- Designed and implemented Tableau dashboards to track KPIs, reducing manual reporting time by 20% and increasing reporting accuracy.

- Fine-tuned machine learning models, resulting in an 18% increase in prediction accuracy using cross-validation and hyperparameter optimization.

Projects

ATM Security System

- Developed an ATM security system using Arduino Uno, increasing security effectiveness by 40% through real-time monitoring and enhanced encryption algorithms.

Virtual Mouse (2022 - 2023)

- Engineered a gesture-controlled virtual mouse, reducing physical strain for users and improving daily task efficiency during 8-hour workdays.

Machine Learning Internship

- Improved predictive accuracy by 20% using Python for business-critical forecasting by tuning machine learning models and optimizing data workflows.

Additional Activities

- Spearheaded a webinar training on 'IPR and Patents' for 15+ team members, improving internal knowledge of intellectual property strategies.

- Active contributor to GitHub repositories focused on data analysis, pipeline automation, and machine learning, collaborating with global open-source communities.