SASI KISHORE VARMA

Data Scientist | ML Engineer | Business & Data Analytics Expert

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Summary

Data Scientist with 2+ years of experience in Machine Learning, NLP, and Predictive Analytics. Skilled in building high-accuracy ML models (92%), automating analytics pipelines, and leveraging AI to enhance customer engagement (20% increase), Applying AI-driven insights and Generative AI (GenAI) to develop intelligent solutions that optimize business processes. Seeking to leverage expertise in ML, NLP, and data-driven decisionmaking to solve complex business challenges.

Experience

Innomatics Research Labs

Bangalore, India

2023 - 2024

Junior Data Scientist Intern

- · Built & deployed a predictive ML model, increasing operational efficiency by 20% and reducing manual workload.
- Optimized data pipelines using Python & SQL, enhancing data processing speed by 30%.
- · Collaborated with cross-functional teams to implement advanced statistical models, improving decision-making processes.

iNeuron.ai Bangalore, India 2022 - 2023

Assistant Data Analyst

- Developed an ML-based predictive maintenance model, achieving 80% accuracy in hardware failure detection, reducing downtime.
- Designed automated BI dashboards (Tableau, SAS) for executive reporting, enhancing data accessibility & decision-making.
- Worked closely with a team of data engineers and BI analysts to improve the efficiency customer recommendation analytics engine by 33%.

Bangalore, India Codebasics 2022 - 2023 Data Analysis Intern

- Analyzed historical marketing data to identify high-performing campaigns using A/B testing and cluster analysis.
- · Automated data extraction with SQL and visualized insights in Tableau, reducing report generation time by 25%.
- Tools: SQL, R, Tableau, Excel.
- Outcome: Optimized ad spend allocation, increasing lead conversion by 12%.

Education

Jawaharlal Nehru Technological University

B.Tech in Mechanical Engineering

2019 - 2022

Tech Stack & Tools

Python · R · MySQL · Machine Learning & AI · Supervised Learning · Unsupervised Learning · Deep Learning | CNN | RNN | Transformers · Natural Language Processing · BERT | GPT | TF-IDF | NLTK | Spacy | Hugging Face · Exploratory Data Analysis · Power BI · Tableau · A/B Testing · Hypothesis Testing · Probability & Statistics · AWS (SageMaker) · CI/CD Pipelines · Docker & Kubernetes · Git & GitHub

Key Achievements & Impact



Machine Learning Model Development

Built a customer churn prediction model using Python (Scikit-learn) with 92% accuracy, enabling a 25% increase in retention for a local business by targeting high-risk clients.



Data-Driven Volunteer Impact

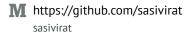
Analyzed 500+ survey responses with SQL and Tableau for a community program, identifying key trends that drove a 30% increase in participant engagement.



NLP-Based Sentiment Analysis for Retail

Developed an NLP model (BERT, TF-IDF) for sentiment analysis, reducing manual review time by 40%, Helped a retail client improve product ratings by 20% by extracting actionable insights from customer feedback.

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