

SASI KISHORE VARMA

Data Scientist | ML Engineer | Business & Data Analytics Expert

+91 9515180170 • sasi.virat1997@gmail.com • <https://www.linkedin.com/in/sasi-kishore-varma-81b365240/> • Bangalore

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 decision-making to solve complex business challenges.

Experience

Innomatics Research Labs

Bangalore, India

Junior Data Scientist Intern

2023 - 2024

- 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

Assistant Data Analyst

2022 - 2023

- 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%.

Codebasics

Bangalore, India

Data Analysis Intern

2022 - 2023

- 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.

Find me online



<https://github.com/sasivirat>
sasivirat



<https://medium.com/@sasi.virat1997>
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