

## Lokesh Harsha Vamsi Jagarlamudi

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### Summary:

Innovative and fast-paced Data Scientist with 2 years of experience in statistical modelling, machine learning (supervised and unsupervised learning), artificial intelligence, and real-time data-driven decision-making. Skilled in programming languages (Python, R, SQL, Java, C), scikit-learn, PyTorch, NumPy, and data wrangling. Strong experience in prototyping, development, and deployment of scalable ML solutions. Passionate about experimentation, experimental design, and building strategies to improve business performance. Known for ability to communicate complex problems effectively, collaborate with stakeholders, and deliver innovative, high-impact solutions.

### Technical skills:

- **Programming Languages:** Python, R, SQL, Java, C (Object-Oriented Programming, Software Development Best Practices)
- **Machine Learning & AI:** Regression, Classification, Clustering, Natural Language Processing (NLP), Supervised & Unsupervised Learning, Deep Learning (Keras, TensorFlow, PyTorch), Scikit-learn, Statistics, Experimental Design, Predictive Modelling, A/B Testing
- **Big Data Technologies:** Spark, Hadoop, Hive, Databricks, AWS (S3, Redshift, SageMaker), Azure ML, Google Cloud Platform (BigQuery)
- **Databases:** SQL, NoSQL (MongoDB, DynamoDB), Data Engineering (ETL pipelines, Airflow)
- **Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn, Plotly (Real-time Dashboards, KPI Tracking)
- **Tools & DevOps:** Docker, Kubernetes, Jenkins, Git, Jupyter Notebook, Software Architecture, Networking, Deployment & Integration
- **Other Skills:** Algorithms, Application Architecture, Pricing Strategy, Product Management, Stakeholder Communication, Interpersonal Skills, Business Judgment, Innovation, Best Practices in ML/AI development

### Work Experience:

**Client:** CVS health, NY

**Oct 2024 to Present**

**Role:** Data Scientist (Intern)

- Designed, prototyped, and deployed scalable ML models for credit risk prediction, improving approval accuracy by 18%.
- Built clustering-based customer segmentation models (unsupervised learning) to optimize marketing strategies.
- Automated ETL pipelines and integrated big data technologies (Airflow, Spark) for real-time processing and improved performance.
- Conducted A/B testing, experiments, and statistical validation for new product features to support product managers and decision-makers.
- Developed real-time KPI dashboards with Tableau and Power BI to monitor status and communicate insights to stakeholders.
- Collaborated with cross-functional teams to ensure seamless integration of ML models into production architecture.
- Applied best practices in ML model development, experimental design, and deployment strategies.

**Client:** GMS GLOBAL SOLUTIONS PVT.LTD, India

**Aug 2023 to July 2024**

**Role:** Data Scientist

- Conducted statistical analysis and experimental design to uncover insights for retail demand forecasting.
- Developed supervised learning models achieving 88% accuracy to enable better pricing and inventory strategy.
- Built scalable big data pipelines using Spark, Hive, and SQL on AWS for data preprocessing.
- Designed NLP-based text classification models and applied natural language processing techniques for faster response times.

- Collaborated with engineers and stakeholders to deploy models and integrate results with reporting tools.
- Followed software engineering best practices for algorithm development, ensuring maintainable and optimized solutions.

**Educational details:**

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- Masters – University of South Florida, Tampa (Focus: Data Science, Computer Science, Software Engineering).
- Bachelors – Hindustan College of Engineering and Technology, Coimbatore.