

Srikar Manikonda

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Summary

Data Science and Analytics professional with experience in Python, SQL, machine learning, and dashboarding to support data-driven decision-making. Skilled in EDA, statistical modeling, feature engineering, with hands-on work across predictive modeling, data pipelines, and cloud environments (AWS/Azure/GCP). Experienced collaborating with business and engineering teams to translate data into insights.

Technical Skills

Programming Languages: Python, SQL, Java, JavaScript, C, C++, R

Data Science & Analytics: Exploratory Data Analysis (EDA), Feature Engineering, Statistical Analysis, Predictive Modeling, Time Series Analysis, A/B Testing, Dashboarding, KPI Design

Machine Learning & AI: Supervised & Unsupervised Learning, Model Selection, Hyperparameter Tuning, Model Evaluation, Classification, Regression, Clustering

Databases & Data Engineering: MySQL, MongoDB, ETL Pipelines, Data Warehousing Concepts

Cloud & DevOps: AWS, Azure, GCP, Docker, CI/CD, Linux, Power BI, Tableau

Web & Backend: REST APIs, Microservices, OAuth/JWT, HTML, CSS

Software Engineering: Object-Oriented Programming (OOP), Data Structures & Algorithms, Design Patterns, Version Control (Git), Unit Testing, Agile/Scrum

Professional Experience

Inmar Intelligence — *Data Scientist*

Oct 2023 – Jul 2024

- Built Python and SQL-based analytics workflows to surface consumer behavior and business performance insights.
- Cleaned, transformed, and validated multi-source structured datasets to prepare features for modeling and reporting pipelines.
- Trained and evaluated classification and regression models to support customer targeting and forecasting initiatives.
- Designed Power BI/Tableau dashboards enabling KPI monitoring and data-driven decision-making across teams.
- Integrated ML outputs into automated reporting pipelines to improve reproducibility and reduce manual reporting overhead.

Inmar Intelligence — *Data Analyst Intern*

Oct 2022 – Oct 2023

- Performed exploratory data analysis (EDA) to identify trends, patterns, and anomalies affecting business KPIs.
- Extracted, cleaned, and aggregated data using SQL and Python for business reporting and dashboard creation.
- Built descriptive dashboards and visual summaries using Power BI and Tableau for stakeholder visibility.
- Produced analytical documentation and presentations communicating insights to technical and non-technical audiences.

Projects

Latent Image Animator (LIA)

- Implemented latent motion transfer using GAN-based architectures to animate static facial images with improved temporal coherence.
- Integrated CNN-based feature extraction to preserve facial identity consistency across generated frames.
- Optimized GPU training workflows to reduce convergence time and enhance output realism.

AI Study Buddy Website — Real-Time AI Web Application

- Developed AI-powered learning assistant enabling interactive question answering and study guidance.
- Built modular component-based UI structure improving maintainability and scalability for new feature additions.

Education

University of North Carolina at Charlotte

GPA: 3.77

Master of Science in Computer Science (Data Science)

Vit-AP University

GPA: 3.66

Bachelor of Technology in Computer Science

Research and Publications

Gastric Carcinoma Detection using Hybrid Model (Transfer Learning)

- Developed hybrid CNN + GAN architecture to improve tumor classification performance on limited datasets.
- Evaluated diagnostic capability using k-fold validation and medical imaging performance metrics.