

# Srikanth Manikonda

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## Summary

Data Scientist with early-career experience delivering end-to-end analytics solutions. Developed Python and SQL workflows that uncovered consumer behavior insights and built Power BI dashboards for KPI monitoring, reducing reporting time. Integrated machine-learning models into automated pipelines, improving reproducibility and cutting manual effort. Seeking to apply data-driven expertise to accelerate business decision-making.

## 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 with pandas and MySQL, creating robust features that powered accurate 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.

### *Data Analyst Intern*

Oct 2022 - Oct 2023

- Performed exploratory data analysis (EDA) with Python (pandas, matplotlib) to uncover trends, patterns, and anomalies, enabling the team to address issues that impacted key business KPIs
- Extracted, cleaned, and aggregated data using SQL and Python, then delivered business reports and dashboards that enabled stakeholders to make informed decisions
- Built descriptive dashboards and visual summaries using Power BI and Tableau for stakeholder visibility.
- Produced analytical documentation and presentations using PowerPoint and Jupyter Notebook, delivering actionable insights that guided decisions for both 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

*Master of Science, Computer Science (Data Science)* (GPA: 3.77)

### Vit-AP University

*Bachelor of Technology, Computer Science* (GPA: 3.66)

## 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.