Srikar Manikonda

Data Scientist—Data Analyst
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Summary

Data Science candidate with experience in analytics, SQL, Python, and ML-driven data processing. Skilled in EDA, feature engineering, dashboarding, and model evaluation to uncover patterns and support business decisions. Experienced working across data pipelines, visualization tools, and cloud environments.

Technical Skills

Programming: Python, SQL, Java, JavaScript
Machine Learning: EDA, Feature Engineering, Statistical Analysis, Predictive Modeling, Evaluation, Time Series
ML Libraries: Pandas, NumPy, scikit-learn, TensorFlow, PyTorch
Backend/Systems: REST APIs, Microservices, OAuth/JWT
Databases/Cloud: MySQL, PostgreSQL, MongoDB, AWS, Azure, GCP
Tools: Git, Docker, CI/CD, Linux, Power BI, Tableau, Matplotlib, Seaborn

Professional Experience

Inmar Intelligence — *Data Scientist* Oct 2023 – Jul 2024

- Built analytics workflows using Python and SQL to uncover business and consumer behavior insights.
- Cleaned and transformed structured datasets (Pandas, NumPy) to identify trends, patterns, and anomalies.
- Trained and evaluated classification and regression models to support data-driven decisions.
- Created dashboards and visualizations for technical and non-technical stakeholders.
- Contributed to end-to-end data pipelines integrating modeling outputs into reporting workflows.

Evolv Technologies — *Data Analyst Intern* May 2022 – Oct 2023

- Gathered, cleaned, and validated multi-source datasets to ensure analysis-ready data quality.
- Developed and optimized SQL queries for data extraction, transformation, and aggregation.
- Performed EDA and descriptive statistics to surface customer and operational trends.
- Built Power BI/Tableau dashboards enabling KPI monitoring and business performance tracking.
- Collaborated with Data Scientists to prepare feature datasets for machine learning initiatives.
- Presented analytical findings through visual summaries and presentations for business stakeholders.

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.
- Benchmarked model outputs against baseline animation frameworks to evaluate expression fidelity.

AI Study Buddy Website — Real-Time AI Web Application

- Developed AI-powered learning assistant enabling interactive question answering and study guidance.
- Designed modular backend architecture enabling LLM inference, state management, and user query orchestration.
- Engineered system extensibility for future personalization, recommendation, and analytics features.
- Implemented responsive UI and routing workflows.

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

Relevant Coursework: Data Mining, Data Visualization, Cloud Computing, Machine Learning, Artificial Intelligence , Big data analatics , Software Deployment , Data structures and Algorithms.

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.
- Demonstrated benefits of generative augmentation for early-stage cancer detection scenarios.