KAMANA JOSHI
Data Engineer
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PROFILE:

Motivated and detail-oriented aspiring Data Engineer with a solid foundation in Python, SQL, and data modeling. Experienced in working with databases, and cloud technologies through academic projects and personal learning.

TECHNICAL CAPABILITIES:

- **Programming & Scripting:** Python, SQL, Bash
- **Data Modeling & Databases:** Relational Databases (PostgreSQL, MySQL, SQL Server), NoSQL (MongoDB, DynamoDB), Pandas, NumPy
- **Cloud Platforms:** AWS (S3, Redshift, Glue, Lambda, RDS), and Azure (Data Lake, Synapse)

PROFESSIONAL EXPERIENCES:

Data Engineer
Proventus Analytics   **Jan 2023 - July 2025**
Responsibilities:

- Worked on and led multiple projects, ensuring on-time delivery and high-quality outcomes.
- Collaborated with clients to understand their business requirements and provide data-driven solutions through regular communication and meetings.
- Managed Extract, Transform, and Load (ETL) workflows, including data dumping into Azure Blob Storage and AWS S3 buckets.
- Design and create database schemas, dimension tables, and views to meet business intelligence and reporting requirements.
- Built, executed, and maintained data pipelines using Azure Data Factory and AWS GlueJob. Write and deploy Lambda functions for automation.
- Developed and optimized stored procedures to ensure efficient database operations and improved query performance.
- Handled Protected Health Information (PHI) and HL7 data while ensuring compliance with HIPAA standards.

PROJECTS

Insider Threat Detection

- Built a working prototype of Insider Threat Detection software.
- Used two of the Unsupervised Machine Learning Algorithms, Isolation Forest and One class SVM
- Trained the ML model using CERT dataset.
- Tested the prototype and observed high efficiency in detecting anomalies and reporting them as potential threats.

EDUCATION

Master's of Science in Applied Statistics (Jan 2026- Nov 2027)

Georgia State University, Atlanta, GA