SNEHITH REDDY JAGGARI

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SUMMARY

Data Analyst with an MPS in Data Science, experienced in building ETL pipelines, data warehouses, and cloud-based data solutions. Skilled in SQL, Python, dbt, and AWS, with expertise in transforming raw data into actionable insights through dashboards and analytics to support data-driven decisions.

SKILLS

- **Data Engineering:** SQL, ETL Pipelines, Data Warehousing ,Data Modeling, Distributed Systems
- **Programming**: Python , Java
- **Cloud Platforms:** AWS
- **Methodologies:** Agile, Scrum, Project Management
- **Data Analytics:** Power BI, Tableau, Excel, EDA
- **Statistical Methods:** Descriptive & Inferential Statistics, Hypothesis Testing
- **Business Intelligence:** Reporting, KPI Dashboards, Data-Driven Insights
- **Databases:** MySQL

PROJECTS

AWS Infrastructure Monitoring and Intelligent Clustering   Jan 2025 - Apr 2025
University of Maryland Baltimore County

Tech Stack: Python, SQL, AWS (CloudWatch, Kinesis), Pandas, NumPy, Time-Series Feature Engineering, Machine Learning (KMeans, DBSCAN), Data Validation & Preprocessing, Real-Time Data Streaming, Cloud Infrastructure   Monitoring

- Built an end-to-end machine learning pipeline that processed 10,000+ AWS CloudWatch metrics using Amazon Kinesis, enabling real-time infrastructure analysis and intelligent anomaly alerts.
- Applied time-series feature engineering and hourly aggregations to detect system anomalies and performance degradation patterns.
- Automated data validation, cleansing, and enrichment processes using Pandas and datetime operations, ensuring high-quality streaming inputs for model inference.
- Conducted unsupervised learning using KMeans and DBSCAN on historical and streaming datasets to uncover usage patterns and classify workloads.
- Delivered actionable recommendations for auto-scaling, resource optimization, and early anomaly detection in an AWS-native architecture context.

ESG Performance Analysis | Data Analyst Project

Tech Stack: Python, Pandas, NumPy, SQL, Data Cleaning & Preprocessing, Exploratory Data Analysis (EDA), ESG Scoring Models, Statistical Analysis, Risk Classification, Data Visualization

- Analyzed company-level Environmental, Social, and Governance (ESG) data combined with financial metrics to evaluate overall corporate sustainability performance.
- Performed data cleaning, preprocessing, and validation using Python (Pandas, NumPy) to handle missing values and inconsistent records.
- Calculated composite ESG scores and classified companies into risk categories to support data-driven decision-making.
- Identified relationships between ESG risk levels and business outcomes such as revenue and company stability.
- Built clear visual insights and summary metrics suitable for stakeholder reporting.

EXPERIENCE

Cognizant Technology Solutions.   Hyderabad, India
IOT Java PE   Feb-Jun2023

- The internship provided me with a deeper understanding of the IoT ecosystem and strengthened my Java programming skills, making it a valuable learning experience for my career in the technology industry.

- I developed my problem-solving and communication abilities while understanding the dynamics of a professional work environment. My time at Cognizant was a rewarding experience that enhance knowledge and prepared me for future challenges in the industry.

EDUCATION

University of Maryland, Baltimore County.   **Baltimore, USA**

Master of Professional Studies | Major: Data Science   GPA: 3.8/4   August 2023-2025

Gokaraju Rangaraju Institute of Engineering and Technology.   **Hyderabad, India**

Bachelor of Technology | Major: Computer Science.   CGPA: 8.7   May 2019- 2023