



Vaishnavi Vishwanathula

Data Analytics Engineer

Profile

Driven Data Analytics Engineer with over 4 years of experience in Analytics, specializing in ETL processes, and data modeling. Proven expertise in optimizing data workflows, bridging business needs and enhancing data quality through automation and validation techniques. Proficient in leveraging tools such as AWS, SQL, Power BI to deliver efficient data solutions. Demonstrated ability to collaborate effectively with cross-functional teams in Agile environments, ensuring successful completion of business-critical project. Dedicated to leveraging analytical skills to drive impactful, data-driven decisions.

Employment History



May 2020 — December 2024

4 Years, 7 Months

Data Associate II at Amazon, Hyderabad, India

January 2023 — December 2024

Intention Detection System

- Collaborated with stakeholders to gather and analyze business requirements
- Designed and implemented a real-time data pipeline on AWS, enabling near-instantaneous event processing.
- Developed an automated data monitoring system to detect and alert on anomalies, ensuring seamless data ingestion.
- Created and optimized ETL processes using complex SQL queries, improving runtime by ~6%.
- Automated the collection and transformation of large datasets from multiple sources using VBA on Excel, ensuring data accuracy and completeness.
- Built advanced dashboards in Power BI using DAX and Power Query (M) that improved data accuracy by 15% and empowering business users with actionable insights.
- Coordinated with cross-functional teams to deliver high-quality projects on time.

False Feedback Rate Reduction Project - Amazon Fresh Stores

October 2022 — December 2022

- Led a cross-functional team of 5 to develop data validation techniques, reducing the false feedback rate by 15%.
- Utilized automation tools to streamline data validation processes, enhancing accuracy and consistency.

Details

Toronto, Ontario, Canada

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Links

[LinkedIn](#)

Skills

SQL

AWS

DAX

PowerBI

Tableau

Python

Azure Databricks

Agile Methodologies

Jira

CI/CD pipelines

Languages

English

Hindi

Telugu

Kannada

- Documented best practices for data governance to ensure long-term integrity across similar projects.

Data Associate I at Amazon, Hyderabad, India

May 2020 — September 2022

Nike Machine Learning Platform - Amazon Robotics

- Spearheaded data migration projects for ML platforms, ensuring accurate data conversion and integration.
- Designed scalable data models in collaboration with architects for advanced machine learning applications.
- Optimized ETL pipelines using Synapse Analytics, reducing latency and improving performance.
- Maintained cloud-based data processing solutions with AWS services.
- Applied SQL skills for querying and transforming large datasets into actionable insights.

Scout Project - Amazon Robotics

- Developed dashboards in Power BI and QuickSight to visualize KPIs such as navigation accuracy, obstacle avoidance success rates, and anomaly detection accuracy.
- Monitored real-time operational issues using Amazon SageMaker, analyzing ML model performance to enhance robot navigation efficiency.
- Validated robot telemetry data to improve object recognition accuracy and delivery time variance.

Education

B.Tech (Computer Science Engineering)

Jawaharlal Nehru Technological University (JNTU)

Hyderabad, India

2015 — 2019

Certifications

Machine Learning with Python and IBM DSX, IBM

2018

Big Data Analytics Certified, Amazon

2023

Lean Six Sigma Yellow Belt Certified, Amazon

2023

Soft Skills

Leadership

Attention to Detail

Process Optimization

Communication & Collaboration

Stakeholder Engagement & Adaptability