# Mogili NAVYA

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### Professional summary

+4 Years of experience as a Data Engineer, Proficient in designing, implementing, and optimizing data pipelines and infrastructure to support the collection, storage, processing, and analysis of large-scale datasets. Demonstrated expertise in SQL, NoSQL databases, ETL tools, and cloud platforms such as AWS and Azure. Proven ability to collaborate with cross-functional teams to understand data requirements and deliver scalable solutions that drive actionable insights. Strong problem-solving skills and a passion for staying abreast of emerging technologies in the field. Ready to leverage expertise to contribute to dynamic projects and drive business success.

##### EDUCATION

Masters

Master’s in information technology and management, Concordia University St, Paul Minnesota

* 4 GPA
* Relevant Coursework: Information Security & Data Analyst & Database Management
* Capstone Project: Credit Card Fraud detection using machine learning,

I am the Lead of the Project; Modern technology is required to provide safe and efficient transactions in real time. Machine learning is a potent tool for identifying and combatting fraud because it can quickly recognize deviations from typical transaction patterns and limit questionable behavior. This is made possible by its anomaly detection algorithms. This preventive strategy lessens the financial losses brought on by credit card fraud, a widespread problem in society. Machine learning solutions must be used to correctly solve this issue and deliver on the promise of risk-free and convenient transactions. This will increase confidence and trust in the ecosystem of digital payments.

**Bachelors**

Bachelors in Electronics and communication engineering, Malla Reddy institute of Technology and science

ACADEMIC PROJECTS:

* Design of Carry Skip Adder Using Verilog HDL.

Carry skip adder is an adder implementation which improves on the delay of ripple carry adder. The main aim of the project is to reduce delays and power consumption.

* Design of 16-Bit Carry Skip Adder Using 130nm Technology.

Carry skip adder is an adder implementation which improves on the delay of ripple carry adder. The main aim of the project is to reduce delays and power consumption.

### Technical Skills

* Programming Languages: Python, SQL, Java
* Database Management: PostgreSQL, MySQL, MongoDB
* ETL Tools: Apache Spark, Apache Airflow, Talend
* Cloud Platforms: AWS (Amazon Redshift, S3, EC2), Google Cloud Platform (Big Query, Cloud Storage), Azure
* Big Data Technologies: Hadoop, Spark, Flink
* Data Warehousing: Snowflake, Amazon Redshift, Google Big Query
* Streaming Data Processing: Apache Kafka, Apache Spark Streaming
* Version Control: Git
* Containerization and Orchestration: Docker, Kubernetes
* Scripting and Automation: Bash, PowerShell
* Data Quality and Monitoring: Apache NiFi, DataDog.
* SQL and NoSQL Databases

### Professional Experiences

##### Techmahindra 07/2021 - 06/2022

Azure Data Engineer

* Designed and implemented ETL workflows using Azure Data Factory to ingest data from various sources into Azure Data Lake Storage.
* Developed and maintained data models and SQL databases in Azure SQL Database, ensuring data integrity and performance optimization.
* Utilized Azure Databricks for big data processing, implementing Spark-based data pipelines to process and analyze large datasets.
* Created interactive dashboards and reports in Power BI to provide business stakeholders with real-time insights and data-driven decision-making capabilities.
* Collaborated with data scientists and analysts to deploy machine learning models and data solutions on Azure Synapse Analytics.
* Ensured data quality and integrity through automated data validation processes and monitoring tools.
* Implemented data governance policies and procedures to ensure compliance with regulatory requirements.
* Documented data engineering processes, workflows, and best practices for knowledge sharing and onboarding of new team members.

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##### COGNIZANT – Hyderabad 08/2018 - 04/2021

Data Engineer

* Developed and maintained data pipelines to extract, transform, and load data from various sources into centralized data warehouses.
* Managed and optimized SQL and NoSQL databases, including PostgreSQL and MongoDB, for performance and scalability.
* Implemented real-time data processing solutions using Apache Kafka and Spark Streaming to support operational analytics.
* Documented data engineering processes, workflows, and best practices for knowledge sharing and onboarding of new team members.
* Developed ETL processes using Apache Spark and Apache Airflow, resulting in a 30% improvement in data processing efficiency.
* Managed and optimized databases on AWS, including Amazon Redshift and RDS instances, for performance and cost efficiency.
* Implemented real-time data processing solutions using Apache Kafka and Spark Streaming to support operational analytics.
* Collaborated with data scientists and analysts to understand business requirements and deliver actionable insights through data-driven solutions.
* Worked closely with cross-functional teams to troubleshoot and resolve data pipeline issues, ensuring data availability and reliability.

##### ACHIEVEMENTS AND AWARDS:

* Member of IEEE student chapter.
* Events conducted: Cognizest, an event sponsored by Mozilla, Incruder.

##### DECLARATION

Here by, I declare that the above information furnished is true and up to the best of my knowledge.