

Kaushik Varma N

Chicago, IL | +1 872-222-6796 | kv-nandimandalam@wiu.edu | [LinkedIn](#) | [Github](#) | [Hackerrank](#)

PROFESSIONAL EXPERIENCE

ExxonMobil (Contract)

Houston, TX

Azure Data Engineer

January 2023 - November 2023

- Orchestrated IoT data generation utilizing Azure IoT Hub, improving data quality by 30%
- Developed data models for Azure Data Lake Storage, resulted in a 35% reduction in storage costs while maintaining data accessibility and compliance.
- Deployed 4+ end-to-end data pipelines, automating data workflow and reducing manual intervention by 80%.
- Implemented PySpark data frame optimization, leading to a 30% faster query execution & resource utilization improvement.
- Increased system performance by 25% through the design and execution of incremental data loading solutions.

Tech Mahindra

Hyderabad, India

Associate software engineer(data)

December 2020 - December 2021

- Engineered a data pipeline handling 10 GB daily, scaling down infrastructure needs for future growth.
- Applied tiered storage and optimized the virtual warehouse, lowered Snowflake spending by 20%.
- Automated ETL processes across millions of data rows, cutting manual workload by 29% monthly.
- Crafted data models for efficient storage, lessening duplication by 21%.
- Partnered with analytics and BI teams to develop globally adopted metrics and reports, substantially mitigating manual data analysis by over 15%.

Adiroha

Bengaluru, India

Data Engineer

November 2019 - December 2020

- Constructed real-time data pipeline processing for semi-structured data, integrating 1million+ raw records from 10+ sources using Kafka and PySpark.
- Improved efficiency by 25% through optimized SQL procedures, mastering complex queries (CTE, indexing, no locks, joins) for historical data analysis in data warehouses

PROJECTS

Winkart (Django)

Winkart is a complete end to end ecommerce website where a user can buy apparels.

- Created the checkout process, which caused in a 20% decrease in cart abandonment rates and a subsequent increase in sales percentage.
- Spearheaded the implementation of a token-based login system, achieved 30% reduction in unauthorized access attempts and enhancing overall platform security.

Credit Card Spend (SQL)

A Capstone project designed to retrieve complex transactional details.

- Retrieved which card and expense type combination saw highest month over month growth in Jan-2019
- Found which city took least number of days to reach its 500th transaction after the first transaction in that city

Snowflake ETL Pipeline

A data pipeline shaped to capture CDC data overtime.

- Architected and executed a high-performance data pipeline, leveraging Change Data Capture technology, that significantly dropped data capture latency by 40% and enabled real-time analytics for faster decision-making.

EDUCATION

Western Illinois University

Macomb, IL

Master of Science in Computer Science

May 2023

Concentration: Database systems & AI

KL University

Guntur, AP

Bachelor of Science in Computer Science

May 2020

Concentration: Python & Data Science

SKILLS

Technology: Python, SQL, JavaScript, Django, Frontend, Hadoop, Hive, Spark, Git, AirFlow.

Cloud Services: Azure, AWS (certified) and SnowFlake.

Core Competencies: Data Generation, Data Ingestion and Transformation, Data Integration.