

Muhammad Abdullah Nasir

mnasir3@gsu.edu | (470) 301-1086 | [linkedin.com/in/muhammad-abdullah-nasir/](https://www.linkedin.com/in/muhammad-abdullah-nasir/) | github.com/daredevilx616

EDUCATION

Georgia State University — Atlanta, GA

Expected December 2024

Bachelor of Science in Computer Science and Data Science

GPA: 3.85

Relevant Coursework: Data Structures, Software Engineering, Machine Learning, Database Systems, Big Data

EXPERIENCE

The Coca-Cola Company

June 2024 – August 2024

Data Engineering Intern

Atlanta, GA

- Orchestrated media data ingestion from Dentsu Inc., leveraging Scala and Spark within a Medallion ETL architecture to efficiently transition data through raw/bronze, refined/silver, and certified/gold zones, improving data integrity and reducing processing time by 25%.
- Employed Azure Synapse to construct and automate data pipelines, ensuring seamless data ingestion and integration, reducing manual intervention by 30%.
- Conducted comprehensive semantic and structural checks on over 500 CSV files in the raw zone, converting them to delta file format in the refined zone, and applying necessary transformations in the certified zone, increasing data accuracy by 20%.
- Engineered robust data processing workflows using Spark SQL to convert and store transformed data into 10+ SQL tables, subsequently loading them into the data warehouse, optimizing data accessibility and utilization.
- Developed and executed unit tests and test cases for each zone, class, and method, ensuring robust data validation and quality control throughout the ETL process.

The Coca-Cola Company

May 2023 – May 2024

Data Engineering Co-Op

Atlanta, GA

- Streamlined data workflows through DevOps and Azure Data Factory, collaborating with Databricks to automate ETL (Extract, Transform, Load) processes, including data ingestion, cleansing, filtering, and calculations, achieving a 20% reduction in data processing time.
- Utilized Azure Data Factory to design and deploy data pipelines and ensuring seamless data flow, thereby enhancing operational efficiency, and reducing manual intervention.
- Integrated Workday SOAP API, efficiently parsing XML data using Python and Pyspark, optimizing data retrieval of company's over 30,000 employees and enhancing data management processes.
- Employed advanced Python and SQL to extract and transform big data from SAP tables/APIs, empowering data-driven decisions, and insights, contributing to a 25% increase in data accuracy.
- Executed complex MDX queries and managed data cubes proficiently, generating tailored, actionable reports for business users, debugging data issues, and reducing data-related errors by 30%.
- Pioneered Microsoft Azure Logic App, triggering prompt email notifications for subscribed users to resolve data table discrepancies, showcasing hands-on Azure technology expertise.
- Crafted dynamic Power BI visualizations and dashboards, effectively communicating complex insights to stakeholders, enhancing data comprehension, and aiding strategic decision-making.

PROJECTS

Recipe Management System | Java, Spring Boot, MySQL, Hibernate, HTML, CSS, JavaScript

April 2024

- Developed a web app for Recipe Management System for efficient inventory tracking and management.
- Designed and implemented inventory operations (add, update, delete) using Spring Boot.
- Utilized Hibernate ORM for seamless MySQL database integration, ensuring data integrity.

Ride Wisely – UGAHacks 8 | Flutter, Dart, REST APIs, Android Studio, JSON

February 2023

- Built a Flutter mobile app promoting public transportation and its benefits.
- Integrated Google Maps, Directions, and Location API for real-time travel info.
- Showcased public transport routes using MARTA API.
- Added Uber & Lyft API for real-time price, distance, and travel time comparisons.

TECHNICAL SKILLS

Programming Skills: Java, Python, Scala, SQL, C++, HTML, CSS, JavaScript, React.js, Dart

Developer Tools: Azure Data Factory, Azure DevOps, Azure Synapse, Data Lake/Warehouse, Apache Spark, Logic App, Flutter, Git/GitHub, Rest/Soap APIs, MySQL, PostgreSQL, Maven, Hibernate, Spring, Linux Shell

Libraries: PySpark, Selenium, Flask, Pandas, Tweepy, Matplotlib, BeautifulSoup, Folium, Numpy, Geopy, JavaFX