

# Mounika Jaggampudi

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## TECHINICAL SKILLS

**Programming Languages:** C, C++, Python, Oops, JavaScript, JAVA, SAS, GO, Ruby

**Framework:** Pandas, Numpy, scikit learn, Hugging Face, tidyverse,

**Tools:** Power BI, Tableau, R Studios, MS Excel, VLOOKUP, SAS Visual Analytics, Microsoft SQL Server, AWS, Azure

## EDUCATION

**George Mason University**

- *Master of Science in Data Analytics Engineering. –GPA*

**Fairfax, Virginia**

*Aug2022--May2024*

**Gandhi Institute of Technology and Management**

**Andhra Pradesh, India**

- *Bachelor of Technology in Computer Science Engineering. –GPA*

*Jun-2016--May2020*

## EXPERIENCE

**Human Cyber Performance, LLC**

**Alexandria, VA**

*Data Analyst*

*Jan 2024 – May 2024*

*Responsibilities:*

- Enhanced data processing performance by 80% through cleaning, pre-processing, and transforming a 75-variable dataset, utilizing visualization tools for improved accuracy.
- Developed and optimized ETL pipelines for HDFS and MongoDB, migrating data to AWS S3 while improving import efficiency by 50% through Spring JDBC API and GIT-based version control.

**Cognizant service Technologies**

**Hyderabad, India**

**Data Analyst**

*Aug2020-july2022*

- Improved data accuracy and reporting efficiency by performing daily data manipulation using SQL, Excel, and SSIS, creating automated reports and dashboards in Tableau.
- Optimized ETL processes and streamlined workflows, reducing delays by 50% through data validation, cleansing, and migration while ensuring high-quality data integrity.
- Led EDI transaction management for healthcare clients, enhancing the electronic exchange of patient records, billing, and insurance claims to improve operational efficiency and regulatory compliance.

**Techimax Pvt Ltd:**

**Hyderabad**

**Data Analyst Intern**

*March2019-Feb2020*

- Conducted data preprocessing and analysis on 1.5 million records in Azure Data Lake, achieving 94% model accuracy, optimizing supply chain strategies through A/B testing, and improving project delivery timelines by 20%.

## ACADEMIC PROJECTS

### 1. CREDIT CARD ELIGIBILITY:

- Developed an advanced predictive model for credit card eligibility using Databricks, PySpark, MLlib, and Python, implementing machine learning algorithms and creating Power BI visualizations to enhance decision-making and improve the credit approval process.

### 2. DATABASE MANAGEMENT SYSTEM FOR A PUBLIC LIBRARY:

- Directed a database design initiative for public library systems, optimizing SQL queries, creating an Entity-Relationship diagram, and implementing features like automated alerts and dynamic membership updates to enhance operational efficiency and user experience.

### 3. LLM BEHAVIOURAL PATTERN OF TEXT OUTPUT:

- Led a research initiative on behavior patterns in Large Language Models (LLMs) such as ChatGPT, applying NLP techniques, prompt engineering, and Tableau dashboards to analyze response consistency and facilitate data-driven decision-making.