**Mounika Jaggampudi**

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**TECHINCAL 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 Fairfax, Virginia**

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

1. 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.

1. 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.