GANESH CHANDRA MEESALA

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Data Engineer with expertise in building scalable ETL pipelines using Python, PySpark, and AWS Glue. Skilled in data transformation, ingestion, and orchestration to optimize data workflows. Experience in SQL-based data modeling and big data processing using Spark and cloud technologies.

WORK EXPERIENCE --

Cognizant Technology Solutions, Hyderabad, Telangana
Life Annuity Insurance | Full Time
Program Analyst (11/2023 - Present)

- Built a scalable ETL pipeline with Python, PySpark, AWS Glue, and S3, automating **500K+ file transformations** with **99.9% accuracy** in Sybase.
- Developed an execution framework reducing processing time from **38 to 8 hours (79% gain)** through parallel execution, eliminating **100% manual effort**.
- Optimized Sybase queries with stored procedures, cutting execution time by **60%** and enhancing ETL performance.
- Led a team of **2 developers** to complete the Novation Data migration in **3 months**, ensuring **100% compliance** and **zero data loss**.

Cognizant Technology Solutions, Chennai, Tamil Nadu
Life Insurance | Full Time
Program Analyst Trainee (03/2023 - 11/2023)

- Designed AWS Glue jobs, Lambda functions, DynamoDB, and EventBridge rules to automate data workflows, improving efficiency and scalability.
- Built a Glue job to reconcile **7M+ records**, ensuring data accuracy across multiple datasets.
- Optimized SQL reporting by replacing **40 queries** with a single PySpark Glue job, cutting execution time from **4 hours to 30 minutes (87.5% reduction)**.

Cognizant Technology Solutions, Chennai, Tamil Nadu
Intern (05/2022 - 09/2022)

- Built **Python scripts** with **PySpark and Pandas** to replace **50+ Informatica transformations**, enhancing ETL efficiency and reducing **legacy system dependency by 80%**. Optimized processing speed by **60%**, enabling faster and more scalable data pipelines.

Personal Projects:

FinMan

(https://github.com/M-G-C-64/Finman)

TechStack: Python, Django, MySQL, Pandas, Plotly, Gspread, Git, Github

Designed and developed a Python-based expense tracker integrating Google Sheets and MySQL for real-time financial management. Automated data retrieval, database updates, and spending analysis with Pandas and Plotly. Built a Django web dashboard for visualizing categorized expenses, leveraging APIs and automation for efficiency.

Spotify playlist to Youtube player

(https://github.com/M-G-C-64/spotify_to_yt)

TechStack: Python, Selenium, Spotipy, Multi-threading, Git, Github

Built a multi-threaded Python script that extracts metadata from a given Spotify playlist and plays corresponding video songs on YouTube via a web browser. Implemented functionality to skip the current song or skip a specified number of songs, Improved user control and playback functionality. Processed playlist of **800+** songs in **55 seconds**.

Skills (Proficiency Rating out of 5):

<u>Programming Languages:</u>	Python (4.5), Java (2.5), SQL (4.1), JavaScript (3.1)
<u>Frameworks:</u>	PySpark (3.0), Pandas (3.5), Django (3.2), Flask (3.2), NodeJS (3.4), ReactJS (3.5)
<u>AWS Cloud & Data Services:</u>	AWS Glue (3.8), AWS S3 (4.5), AWS Lambda (4.1), DynamoDB (3.6)
<u>Other Cloud Services:</u>	BigQuery (3.4), Databricks (4.0), RESTful APIs (3.6), Microservices (3.7)
<u>BI & Visualization:</u>	Power BI (4.1), Tableau (3.2)
<u>Version Control & IDEs:</u>	Git (4.1), GitHub (4.1), PyCharm (4.5), VS Code (4.7)

Achievements:

- <u>Rising Star Award</u> (2024): Recognized as Rising Star of the year for successfully taking over and optimizing a **senior engineer's role** within one month, saving $18,000 annually.
- <u>Champion of Hyderabad</u> (2024): Awarded for great technical performance along with leading the monthly team building program

Education:

- **Bachelor of Technology in Electronics and Communications**
  Gayatri Vidya Parishad College of Engineering - Visakhapatnam
  Graduation Year : 2022
  Relevant Coursework : Data Structures, Algorithms, Databases, Cloud, Machine Learning