

# GANESH CHANDRA MEESALA

**Email:** [ganeshchandravadhan@gmail.com](mailto:ganeshchandravadhan@gmail.com)  
**Mobile:** +91 6303733095  
**LinkedIn:** <https://www.linkedin.com/in/ganesh-chandra-meesala/>  
**GitHub:** <https://github.com/M-G-C-64>

Python Developer with expertise in building scalable applications using Python, PySpark, and AWS. Skilled in developing and automating data processing, validation, and workflow optimization to improve efficiency and business outcomes. Experienced in streamlining processes and reducing manual effort through automation.

## RELEVANT WORK EXPERIENCE

### Cognizant Technology Solutions, Hyderabad, Telangana

Life Annuity Insurance | Full Time

Python Developer (11/2023 - Present)

- Developed a scalable ETL framework using Python, PySpark, AWS Glue, and S3 to automate the transformation, validation, and ingestion of neutral files into standardized formats. Applied business rule-based transformations and loaded processed data into Sybase databases, ensuring data integrity and compliance.
- Developed an automated execution framework to orchestrate and streamline the sequential execution of multiple Python scripts during the Novation weekend, eliminating manual intervention. Reduced processing time from 38 hours to 8 hours by enabling parallel execution and dependency-based triggering.
- Designed and integrated stored procedures to efficiently retrieve and process data from Sybase databases within PySpark-based Python scripts. Optimized query execution and reduced data retrieval latency to enhance ETL performance and downstream analytics.

### Cognizant Technology Solutions, Chennai, TamilNadu

Life Insurance | Full Time

AWS Developer & Python Developer (03/2023 - 11/2023)

- Designed and implemented AWS Glue jobs, Lambda functions, DynamoDB, and EventBridge rules to automate data transformation workflows, enhancing efficiency and scalability.
- Developed a Glue job to reconcile financial discrepancies by cross-checking a 7-million-row file against multiple smaller datasets, ensuring data accuracy.
- Optimized SQL report generation by replacing 40 queries with a single Glue job using PySpark, reducing execution time from 4 hours to 30 minutes.

### Cognizant Technology Solutions, Chennai, TamilNadu

Internship

ETL Developer & Python Developer (05/2022 - 09/2022)

- Developed Python scripts using PySpark and pandas to replace Informatica transformations, improving ETL efficiency and reducing dependency on legacy systems.

## **Personal Projects:**

### **FinMan**

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

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

Developed a Python-based expense tracking system that integrates Google Sheets with a MySQL database for real-time financial management. The script automatically retrieves daily expense data from Google Sheets, updates the MySQL database, and generates visual reports for spending analysis. Implemented data visualization using Plotly and Pandas, and built a web dashboard with Django to display categorized spending trends. Utilized APIs, automation, and web development best practices to enhance usability and efficiency.

### **Spotify playlist to Youtube player**

([https://github.com/M-G-C-64/spotify\\_to\\_yt](https://github.com/M-G-C-64/spotify_to_yt))

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

Developed 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, enhancing user control and playback experience.

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<b>Languages &amp; Frameworks</b>	: Python (PySpark, Pandas, Django), SQL (Sybase, MySQL), Java
<b>Cloud &amp; Data Services</b>	: AWS (Glue, S3, Lambda, DynamoDB), GCP (BigQuery), DataBricks
<b>BI &amp; Visualization</b>	: Power BI, Tableau
<b>Version Control &amp; IDEs</b>	: Git, GitHub, PyCharm, VS Code

### **Achievements:**

- Rising Star Award (2024): Recognized as Rising Star of the year for successfully taking over and optimizing a senior engineer's role within one month, saving them \$18000 per annum.
- Champion of Hyderabad (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 Computing, Machine Learning