

# GANESH CHANDRA MEESALA

Data Engineer | Python Developer

Hyderabad | 6303733095 | [mgc01official@gmail.com](mailto:mgc01official@gmail.com)

Data Engineer with expertise in building scalable data frameworks using Python, PySpark, and AWS. Skilled in automating data transformation, validation, and ETL processes to enhance efficiency and business insights. Experienced in optimizing workflows and reducing manual workload through automation.

## RELEVANT WORK EXPERIENCE

### Cognizant Technology Solutions, Hyderabad, Telangana

Life Annuity Insurance | Full Time

Data Engineer & 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.

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Languages & Frameworks	: Python (PySpark, Pandas, Django), SQL (Sybase, MySQL), Java
Cloud & Data Services	: AWS (Glue, S3, Lambda, DynamoDB), GCP (BigQuery), DataBricks
BI & Visualization	: Power BI, Tableau
Version Control & IDEs	: Git, GitHub, PyCharm, VS Code
Certifications	: AWS Cloud Practitioner, AWS Solutions Architect

#### 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