

# Shyam Mohan V M

## Data Engineer

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## Summary

Data Engineer with 1.8 years of experience building scalable data pipelines and backend systems. Skilled in Python, SQL, Airflow, AWS, GCP, and Snowflake, with proven success in automating deployments and cutting manual effort. Strong communicator, recognized with multiple awards for innovation, quality, and high-impact delivery.

## Skills

- Programming: Python, SQL, Java, C/C++
- Data Engineering: Airflow, UC4, Snowflake
- Frameworks: Django, Streamlit
- Databases: MySQL, PostgreSQL
- Cloud & DevOps: AWS, GCP, Git, Docker, Kubernetes

## Experience

**Analyst (Data Engineering role)**      Factspan Analytics, Bangalore      Jan 2024 – Present

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- Designed and maintained scalable **ETL pipelines** for a **global entertainment leader**, using **Python, Airflow, UC4, AWS, and Snowflake**, to process terabytes of real-time data from diverse sources.
- **Migrated legacy data warehouses to Snowflake**, boosting query performance and scalability.
- **Developed automated data quality checks and development workflows**, reducing manual effort by 50%.
- Leveraged internal enterprise data platform architecture to orchestrate deployments, enable CI/CD workflows, and streamline data engineering operations.
- **Recognitions & Awards:**
  - *Learning Champ* – for outstanding performance in training initiatives.
  - *Sweat the Details* – for driving leading innovations and delivering exceptional quality.
  - *Spot Award* – for critical contributions to a high-impact project.

## Education

- **National Institute of Technology, Calicut, India**      2021 – 2023  
Master of Technology (M.Tech), Computer Science and Engineering (Information Security)
- **Government Engineering College, Thrissur, Kerala, India**      2016 – 2020  
Bachelor of Technology (B.Tech), Computer Science and Engineering

## Certifications

- Snowflake SnowPro Core Certified

- Google Cloud Digital Leader Certified

## **Publications**

- Shyam Mohan V M, Krishnendhu S P, Prabu Mohandas. “*Real-Time Traffic Signal Prediction and Control using Deep Q-Network*”, 2023 International Conference on Computer, Electronics & Electrical Engineering & their Applications (IC2E3), 2023.