

# Shyam Mohan V M

## Data Engineer

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## Summary

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## 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.

## Projects

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## 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

## Publications

**Shyam Mohan V M, Krishnendhu S P, Prabu Mohandas.** *Real-Time Traffic Signal Prediction and Control using Deep Q-Network.* In Proceedings of the 2023 International Con-

ference on Computer, Electronics & Electrical Engineering & their Applications (IC2E3), 2023. [[10.1109/IC2E357697.2023.10262818](https://doi.org/10.1109/IC2E357697.2023.10262818)]