

# Mohamed Hussain Shahul Hameed

Chennai, India | [LinkedIn](#) | [Portfolio](#) | [GitHub](#) | [+91 77088 67386](#)

## TECHNICAL SKILLS

**Languages:** Python | SQL (Advanced) | Bash (basics)

**Tools & Technologies:** ClickHouse | PostgreSQL | MySQL | Apache Airflow | Docker | Git & GitHub | VS Code | Linux OS

## EDUCATION

**Rajalakshmi Engineering College**

*BE Computer Science Engineering*

**Chennai, India**

*Graduation Date: May 2025*

**International Indian School**

*High School (11<sup>th</sup> and 12<sup>th</sup> Grade)*

**Jeddah, Saudi Arabia**

*Graduation Date: May 2021*

## EXPERIENCE

**Associate Data Engineer Intern**

Quantrail Data Pvt Ltd | Chennai, Tamil Nadu, India

**Apr 2025 - Present**

- Selected for a client-facing role focused on advanced data engineering with ClickHouse.
- Currently undergoing structured training in SQL, PostgreSQL, Airflow, Docker, and Kubernetes.
- Working on building scalable ETL pipelines, optimizing analytical queries, and containerizing services.
- Collaborating with senior engineers to understand ClickHouse internals and production-grade data infrastructure.

## HACKATHONS

**TechQuest – 24-Hour Hackathon**

**Team Leader**

**St. Joseph's University, Bangalore | Apr 2024**

- Led a 3-member team through a fast-paced build cycle, prioritizing MVP completion and time management.
- Took charge of backend integration, team coordination, and deployment of a working medical reminder solution.
- Strengthened leadership and real-time problem-solving skills under pressure.

**HackOverflow V3.0 – 24-Hour Hackathon**

**Team Member**

**Rajalakshmi Engineering College, Chennai | Nov 2023**

- Collaborated in a diverse team to create a student productivity platform under tight deadlines.
- Focused on implementing calendar features and optimizing UX with rapid feedback loops.
- Gained hands-on experience working in a collaborative, high-stakes environment.

## PROJECTS

**Covid Data Pipeline – API to PostgreSQL with Airflow & Docker**

Mini Project | Quantrail Data (Self-initiated)

[GitHubRepo](#)

**2025**

**Tech Stack:** Airflow, Docker, PostgreSQL

- Pulled daily global COVID-19 stats from a public API .
- Automated data ingestion with Airflow, scheduled to run every day.
- Stored structured results in a PostgreSQL table for long-term analysis.
- Containerized the entire pipeline using Docker for seamless portability and deployment.

**TrendLite - Live Retail Insights with ClickHouse**

Internship Project | Quantrail Data

[GitHubRepo](#)

**2025**

**Tech Stack:** Python, Streamlit, ClickHouse, Altair, Pandas

- Designed and deployed a real-time sales dashboard to monitor retail performance and KPIs.
- Scheduled automated data ingestion using Airflow and stored structured results in PostgreSQL.
- Enhanced user experience with clean layout, responsive updates, and readable chart labels.

**AutoTrend – Demand Prediction System**

Final Year Project | Team of 2

[GitHubRepo](#)

**2025**

**Tech Stack:** Python, Streamlit, Scikit-learn, Pandas, YData Profiling

- Developed a system using AutoML for end-to-end demand prediction, including preprocessing, EDA, model training, and evaluation.
- Enabled users to upload datasets, visualize EDA, select target columns, and view top 5 model results.
- Built ensemble model from top models for final predictions and performance comparison.