

Mohamed Hussain Shahul Hameed

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

TECHNICAL SKILLS

Languages: Python | SQL | Bash

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

EDUCATION

Rajalakshmi Engineering College

BE Computer Science Engineering

International Indian School

High School (11th and 12th Grade)

Chennai, India

Graduation Date: May 2025

Jeddah, Saudi Arabia

Graduation Date: May 2021

EXPERIENCE

Associate Data Engineer

Quantrail Data Pvt Ltd | Chennai, Tamil Nadu, India

June 2025 - Present

- Migrated client's data platform from Elasticsearch (HDFS) to ClickHouse, ensuring seamless integration and minimal downtime.
- Converted and optimized HiveQL queries to ClickHouse SQL, improving query performance.
- Built and deployed scalable ETL pipelines using Airflow and Docker to support production workloads.
- Collaborated with senior engineers to tune queries and improve infrastructure reliability.

Associate Engineer

Quantrail Data Pvt Ltd | Internship | Remote

Apr 2025 - May 2025

- Completed intensive training in SQL, Python, Linux, Git, data modeling, ClickHouse, and Airflow.
- Gained hands-on experience through guided mini-projects involving ETL pipelines.
- Built foundation in ETL workflows, columnar databases, and query performance tuning to transition into a client-facing engineering role.

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

Kafka → ClickHouse Real-Time Data Pipeline

Mini Project | Quantrail Data (Self-initiated)

[GitHubRepo](#)

2025

Tech Stack: Kafka, Python, ClickHouse, Docker

- Built a real-time streaming pipeline ingesting mock user signup data from Kafka to ClickHouse.
- Developed a Python Kafka Producer to simulate streaming events into a user-signups topic.
- Leveraged ClickHouse Kafka engine tables and materialized views for automated data consumption.
- Containerized the entire pipeline using Docker for seamless orchestration and portability.

Covid Data Pipeline – API to PostgreSQL with Airflow

Mini Project | Quantrail Data (Self-initiated)

[GitHubRepo](#)

2025

Tech Stack: Airflow, Docker, PostgreSQL

- Designed and implemented an ETL workflow to ingest COVID-19 statistics from a public API.
- Built custom Airflow DAGs with task dependencies for robust scheduling and error handling.
- Loaded processed data into PostgreSQL tables optimized for analytical queries and trend analysis.
- Containerized the workflow using Docker to ensure portability, reproducibility, and quick deployment.