

Mohamed Hussain Shahul Hameed

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TECHNICAL SKILLS

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

Tools & Technologies: ClickHouse | PostgreSQL | MySQL | Apache Airflow | Git & GitHub | VS Code

EDUCATION

Rajalakshmi Engineering College

Chennai, India

BE Computer Science Engineering

Graduation Date: May 2025

International Indian School

Jeddah, Saudi Arabia

High School (11th and 12th Grade)

Graduation Date: May 2021

EXPERIENCE

Associate Data Engineer Intern

Quantrail Data Pvt Ltd | Remote

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

TrendLite - Live Retail Insights with ClickHouse

Internship Project | Quantrail Data (Self-initiated)

2025

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

- Designed and deployed a real-time sales dashboard to monitor retail performance and KPIs.
- Enabled live insights with dynamic date filtering and backend query optimization.
- Delivered interactive visuals for revenue trends, top products, and category-wise breakdowns.
- Enhanced user experience with clean layout, responsive updates, and readable chart labels.

AutoTrend – Demand Prediction System

Final Year Project | Team of 2

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.

MedRem – Medicine Reminder Web App

Hackathon Project (TechQuest) | Team of 3

2024

Tech Stack: HTML, CSS, JavaScript, Bootstrap, PHP, MySQL

- Developed a web app that lets users schedule, track, and get reminders for their medications.
- Designed simple UI for adding meds, setting times, and tracking daily intake.
- Led the team through problem solving and backend integration during the 24-hour hackathon.
- Focused on building a functional MVP within the tight deadline.