

RUFFINA MERCY S

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SUMMARY

Final-year Computer Science student with strong skills in Java, SQL, and full-stack development. Passionate about software engineering, problem-solving, and building efficient fintech applications for real-world impact.

SKILLS

Languages & Concepts: Python, Java, SQL, OOP, DSA, DBMS

Databases: MySQL, MongoDB, Snowflake

Data Engineering: Apache Airflow (basic), Docker (basic), GitHub Actions

Libraries & Tools: Pandas, Snowpark, Streamlit, Power BI

Development Practices: Git, Agile

WORK EXPERIENCE

Hindustan Aeronautics Limited (HAL)

Apr 2025 - May 2025

Bengaluru

Intern - Data Analyst

- Performed data quality audits, root cause analysis, and traceability checks for sensor-based workflows.
- Developed structured documentation and testable workflows to maintain clean, auditable records.
- Tech Stack:** Python, SQL, Excel, Power BI

Indian Institute of Astrophysics

Apr 2024 - May 2024

Bengaluru

Intern - Front-End Software Development

- Developed and tested a secure GUI with access controls, system logging, and **real-time monitoring**.
- Designed and refined **actuator control module** test cases in Agile sprints, ensuring SDLC compliance with Git.
- Tech Stack:** wxPython, wxFormBuilder, Python, Arduino, Agile, SDLC

PROJECTS

End-to-End Supply Chain Forecasting Pipeline

Jun 2025

Technologies: Python, SQL, Snowflake, Apache Airflow, Streamlit

- Built a system that uses over 58 million records to **predict supply chain trends**, showing the results on an interactive dashboard.
- Deployed a **containerized** and version-controlled MLOps deployment workflow.

Field Flow – Full Stack Mobile Application

Jan 2025

Technologies: React, TypeScript, Node.js, Express, PostgreSQL, Vercel, Render

- Built a full-stack PERN web app for tracking employee deliveries and expenses with real-time database integration.
- Developed an admin dashboard for data reports, CSV export, and employee management.

Community Management Mobile Application

Nov 2024

Technologies: Thunkable, Google Sheets, Cloudinary, Git, GitHub

- Developed and tested a **SaaS-style mobile app** for members, events, donations, and media sharing.
- Integrated Google Sheets for **real-time data validation** and Cloudinary for media storage testing.
- Worked in a team with the NGO following **Agile methodology**, delivering features in sprints.

CERTIFICATIONS

SQL Bootcamp - Udemy

Data Visualisation - Forage

Full Stack Foundation - Core Java - L&T EduTech

E-Business - NPTEL Swayam

World's Largest Hackathon - Devpost & Bolt

Google Cloud Agentic AI Day - Hack2skill

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science - Data Science

2022 - Present

Christ (Deemed to be University), CGPA: 7.88