Maitreyan T R

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Profile

Motivated software developer with a strong foundation in computer science fundamentals, programming, and application development. Passionate about designing and building software solutions that address real-world problems, with a collaborative mindset and a strong interest in continuous learning. Eager to contribute to scalable, high-quality systems while gaining exposure to full-cycle development and modern software development practices in a growth-driven environment.

Education

2023 – Present	**M.Sc. Software Systems (5-Year Integrated)**, Coimbatore Institute of Technology CGPA – 8.01 (as of current semester)
2022 – 2023	**Higher Secondary**, The TVS School Percentage – 86.7%

Skills

Languages	Java, Python, C++, C, JavaScript,
Frameworks & Libraries	Angular, React, Flask, Bootstrap, REST API's
Databases	MySQL, MongoDB, Oracle
Basic Skills	Networks, Linux, Figma, Docker, Git

Projects

DRIVEME– CAB DRIVER FOR RENT 🐙
- Created a multi-module web platform connecting car owners with drivers, supporting customer, driver, and admin workflows.
- Executed booking management, driver availability tracking, document verification, and real-time location services..
- Planned and structured the system to support authentication, payments, and real-world operational monitoring.
- **Tools used :** React, HTML, CSS, Bootstrap, MySQL, Google Maps API

PHARMACY MANAGEMENT SYSTEM 🐙
- Built a Java-based desktop application integrating billing, inventory control, and user authentication for pharmacy operations.
- Applied reliable stock tracking and transaction handling using JDBC and MySQL to maintain data consistency.
- Structured modular and maintainable components aligned with real-world business workflows and backend design principles.
- **Tools used :** Java, Swing (GUI), JDBC, MySQL

BOOK MANAGEMENT SYSTEM 🐙
- Designed a web-based book management application with secure user authentication and role-based access control.
- Enforced session handling, input validation, and structured navigation to ensure data integrity and usability.
- Executed backend logic to manage book records, user actions, and database interactions efficiently.
- **Tools used :** PHP, MySQL, HTML, CSS, JavaScript

Roles

2025 – Present	**Finance and Operation Lead** Google On Campus – CIT
2025 – Present	**Outreach Lead** 403 Straits – Cybersecurity Club

Areas of Interest

- Machine Learning   • Database Management Systems (DBMS)   • Quantum Computing   • Full-Stack Development

Achievements

India–Japan STI Forum (Finalist), 2025 – Recognized under the theme *Skill and Resilience Innovation.*

ACEi Hackathon '26 – Aravind Eye Hospital – Developed clinical logic for glaucoma IOP target integration into EMR systems; gained real-world healthcare tech exposure.

SIH – Internal Hackathon Winners – Secured first place in the internal Smart India Hackathon (SIH).

Extra Curricular Activities

College Hockey Team — Goalie (Active)