



# SHARAN M

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## SUMMARY

Computer Science Engineering graduate with a strong foundation in programming, data structures, and problem-solving. Hands-on experience in developing scalable applications and real-time systems through academic projects and internships using Python, SQL, and full-stack web technologies. Seeking an entry-level software role to contribute to enterprise applications while learning and growing in a collaborative professional environment.

## SKILLS

**Programming Languages:** Python, SQL

**Core CS Concepts:** Data Structures & Algorithms, Object-Oriented Programming, DBMS

**Web Technologies:** HTML5, CSS3, JavaScript, React.js

**Backend Frameworks:** Node.js, Express.js, Django

**Databases:** MySQL, MongoDB

**Tools & Platforms:** Git, GitHub, VS Code, AWS (EC2), PyCharm

**Soft Skills:** Problem-Solving, Teamwork, Decision-Making

## EDUCATION

**Dr. T. Thimmaiah Institute of Technology**

*Karnataka, India*

B.E in Computer Science and Engineering - **CGPA: 8.54**

*2021 – 2025*

**Sri Bhagawan Mahaveer Jain College**

*Karnataka, India*

Pre-University Course - **Percentage: 82.6**

*2019 – 2021*

**St. Joseph's Convent High School**

*Karnataka, India*

Class X (SSLC) - **Percentage: 80.32**

*2019*

## EXPERIENCE

**Application Development Intern - Rooman Technologies**

*Sept 2024 – Feb 2025*

- Developed responsive full-stack web applications using React.js, Node.js, and MongoDB, improving UI responsiveness and system reliability.
- Contributed to the development of 2 end-to-end projects, handling both frontend and backend modules.
- Collaborated in an Agile team of 4 developers, participating in code reviews and feature implementation.

## PROJECTS

**Early Sepsis Risk Prediction System**  Python | Flask | PostgreSQL

*Feb 2025 – May 2025*

- Developed a TensorFlow Deep learning model with 96% accuracy for early sepsis detection using 22 clinical features.
- Built a Flask-PostgreSQL web app for real-time patient data entry, risk prediction, and stage-wise diagnosis.
- Designed a Clinical Decision Support System with secure data handling, real-time predictions, and automated patient report downloads, helping doctors make faster decisions.

**Realtime Chat Application**  Node.js | Express.js | MongoDB | React.js

*Nov 2024 – Jan 2025*

- Built a real-time chat application with JWT authentication and WebSocket messaging, optimized for seamless use across devices and supported multiple concurrent users during testing
- Added secure file and image sharing using Multer and MongoDB, handling uploads up to 25MB.
- Improved performance with Socket.io and Axios, reducing message delays and ensuring smooth multi-user communication.

**Invexa-Pro Inventory Management System**  React.js | Node.js | MySQL

*Jun 2024 – Aug 2024*

- Developed an inventory management system to manage products, customers, and orders with full CRUD functionality, ensuring accurate stock tracking and efficient data management.
- Implemented secure backend logic and database integration to support real-time updates, role-based access, and smooth interaction between system modules.

## CERTIFICATIONS

- Application Developer – Rooman Technologies
- Python Certification – NPTEL
- AIML Virtual Internship – AWS Academy
- SQL and Relational Databases – IBM Skills Build