

Rajasekar M

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Professional Summary

Entry Level Developer with a strong foundation in **Computer Science fundamentals**, including object-oriented programming, **data structures**, algorithms, and database management. Skilled in developing and deploying **full-stack web applications** and **Java**. Experienced in working within **Agile environments** and Integrating RESTful APIs, Passionate about solving complex problems, analyzing data, and delivering scalable, user-focused software solutions that drive business efficiency

Technical Skills

Languages: Java, JavaScript (ES6+), C++, C , Python

Frontend: React.js, HTML5, CSS3, Tailwind CSS, Bootstrap

Backend: Node.js, Express.js

Databases: MongoDB, SQL, SQL PLUS

Tools: Git, GitHub, Postman, REST APIs, Axios, Agile, Docker

Core Competencies: Object-Oriented Design, Problem Solving, Algorithm Design, Complexity Analysis, Distributed Systems

Experience

Frontend Web Development Intern | PS Technology (Remote)

May 2024 – Aug 2024

- Collaborated within an Agile team to build responsive web applications using **React.js**, improving UI performance by 15%.
- Implemented reusable components, reducing development redundancy and improving scalability.
- Integrated RESTful APIs and implemented structured error handling, improving application reliability.

Experience

Frontend Web Development Intern | PS Technology (Remote)

May 2024 – Aug 2024

- Developed **modular and reusable components**, improving application maintainability and performance.
- Integrated **REST APIs**, debugged functional issues, and optimized asynchronous workflows.
- Collaborated in **Agile sprints**, participating in requirement analysis, debugging, testing, and deployment cycles.

Key Projects

Java OOP E-Commerce Application | Core Java, OOP, IntelliJ

[GitHub](#)

- Designed and implemented a **Core Java-based e-commerce system** using OOP architecture.
- Implemented **Encapsulation, Inheritance, Polymorphism, Abstraction, Interfaces**, and **Java Collections (ArrayList, HashMap)**.
- Developed features including product management, add-to-cart, billing, discount calculation, and order processing.

Full-Stack E-Commerce Web Application | MERN Stack

[Live Demo](#)

- Built scalable e-commerce modules including authentication, product catalog, cart, and checkout.
- Developed backend **RESTful APIs**, handled database operations, and optimized server-side logic.
- Debugged production issues and improved application performance.

AI Chatbot Application | React.js, Node.js, API Integration

[Live Demo](#)

- Developed an AI-powered chatbot with real-time message handling and API integration.
- Improved reliability through structured debugging and asynchronous error handling.

Additional Technical Work

- Solved **100+ DSA problems in Java** (arrays, strings, recursion, dynamic programming).
- Developed Portfolio Website (React.js) and Weather API Application.

Education

B.Sc. Computer Science with Cyber Security | GPA: 8.1/10

July 2022 – May 2025

Dr. SNS Rajalakshmi College of Arts and Science, Tamil Nadu

Relevant Coursework: Core Java, OOP, Data Structures, Algorithms, DBMS, Operating Systems, Computer Networks

Achievements

- Winner – Brototype Web Development Competition (2024).
- TCS NQT **Java Score: 81.93%** (2025).

Certifications

- Data Structures & Algorithms in **Java** – Great Learning (2024).
- AI Student Development Program – E & ICT Academy, IIT Kanpur (2023).
- React.js Bootcamp – LetsUpgrade (2024).