KARTHIKEYAN S

Salem, Tamil Nadu, India

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EDUCATION

B.E. Computer Science and Engineering	**CGPA: 8.01**
Knowledge Institute of Technology, Salem	*Expected 2025*

Class XII	**Percentage: 83.2**
Sri Vidya Mandir Senior Secondary School	*2021*

Class X	**Percentage: 83.2**
Sri Vidya Mandir Senior Secondary School	*2019*

TECHNICAL SKILLS

Programming Languages : C, Java
Tech Stacks : Spring Boot, MySQL, Git, REST API, HTML, CSS
Tools : Intellij, GitHub, VS Code, MySQL Workbench, Postman

PROJECTS

Real-Time Chat Application *(GitHub)*
Technologies/Tools : Java, Spring Boot

- Developed a backend for a real-time chat application with Spring Boot, enabling efficient bidirectional communication through WebSockets.
- Configured WebSocket endpoints and implemented message handling to support smooth, real-time interactions.
- Implemented session management and message persistence to maintain reliable communication across user sessions.

To-Do List *(GitHub)*
Technologies/Tools : Java, Spring Boot, MySQL, Hibernate

- Built a scalable backend for a To-Do List application using Spring Boot, enhancing code maintainability.
- Integrated MySQL for persistent data storage, ensuring reliable and fast data access.
- Designed user-friendly JSP web pages to facilitate seamless CRUD operations, improving user productivity in task management.

Bug Tracking System *(GitHub)*
Technologies/Tools : Java, MySQL

- Developed a console-based Bug Tracking System to track software issues. Designed a MySQL database schema for efficient data storage.
- Utilized Java and JDBC to build the backend logic, ensuring robust data handling and seamless communication with the database.

INTERNSHIPS

Java and Data Structures - SmartCliff Learning Solutions *6-week Internship*
Developed expertise in Core Java, focusing on OOP principles, secure coding, and real-world applications like inventory systems. Enhanced debugging, algorithm design, and tool proficiency with IntelliJ IDEA and Git.

Java Programming - Codsoft *4-week Virtual Internship*
Gained an in-depth understanding of Core Java programming through practical experience, including the development of small-scale projects.

CERTIFICATES

- **Java and Spring Framework with Spring Boot**
- **Git for Beginners**
- **Rapid Development with AI-powered Tools**
- **Oracle Academy: Java Programming**
- **Oracle Academy: Database Programming with SQL**

ACHIEVEMENTS

- Secured 2nd place out of 30 teams in the technical quiz at Kongu Engineering College, Erode.
- Won 2nd place in a debugging challenge, competing against 60+ participants at MEC, Rasipuram.

INTERESTS

Programming, Data Structures and Algorithms (DSA), Cricket, Trekking, Football