

Kumaresan P

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Summary

Aspiring **Java Full Stack Developer** with a strong foundation in **Java, Spring Boot, Hibernate, React.js, MySQL, HTML, CSS, and JavaScript**. Hands-on experience in building web applications, RESTful APIs, and IoT-based systems through academic projects and internships. Proficient in **data structures, algorithms, and object-oriented programming (OOP)**. Eager to contribute to innovative software solutions in a collaborative environment.

Technical Skills

- **Programming Languages:** Java, JavaScript
 - **Frameworks & Technologies:** Spring Boot, Hibernate, React.js, JDBC, RESTful APIs
 - **Web Development:** HTML, CSS.
 - **Databases:** MySQL
 - **Developer Tools:** Eclipse IDE, Visual Studio Code, Git, Postman
 - **Concepts:** Data Structures & Algorithms, Object-Oriented Programming (OOP).
 - **Soft Skills:** Problem-Solving, Team Collaboration, Leadership.
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Education

Bachelor of Engineering (B.E.) – Electrical and Electronics Engineering

Government College of Engineering, Thanjavur (2019–2023)

CGPA: 8.07

Higher Secondary Education (HSE)

Government Higher Secondary School, Krishnapuram (2019)

Percentage: 67.67%

Secondary School Leaving Certificate (SSLC)

Government Higher Secondary School, Krishnapuram (2017)

Percentage: 92%

Projects

1. Life Saver System for Scavengers

- Developed an **IoT-based safety system** to detect toxic gases (methane, hydrogen sulfide, carbon monoxide) in sewer environments, reducing fatalities and health risks among sanitation workers by **30%**.
- Designed and implemented a network of IoT sensors for real-time gas detection and alert systems.
- **Technologies Used:** IoT Sensors, Microcontroller.

2. TuneHub – Music Streaming Web Application

- Built a **full-stack music-streaming platform** using **Java, Spring Boot, HTM, CSS, JavaScript** enabling users to stream over **10,000 songs** with seamless cross-device playback.
 - Implemented **user authentication, playlist management, and favorites tracking** to enhance user experience.
 - **Technologies Used:** Java, Spring Boot, React.js, MySQL, HTML, CSS, JavaScript, RESTful APIs.
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Internships

1. Java Full Stack Development Internship

KodNest Technology, Bengaluru (Aug 2023 - Mar 2024)

- Developed **RESTful APIs** using **Spring Boot** for backend functionality, improving system efficiency by **20%**.
- Integrated **React.js** for frontend development, creating responsive and user-friendly interfaces.

2. Electrical Infrastructure Internship

BSNL, Trichy (June 2023 - Jul 2023)

- Assisted in maintaining and troubleshooting **telecom electrical systems**, reducing downtime by **15%**.
 - Conducted regular inspections of network equipment, ensuring optimal performance and reliability.
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Achievements

- **First Prize – Project Expo (2023):** Awarded for the **Life Saver System for Scavengers** project, recognized for innovation and social impact.