

Kiruthika S

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Executive Summary

Electronics and Communication Engineer transitioning to Full Stack Development, leveraging strong analytical and problem-solving skills from hardware design to build scalable software solutions. Proficient in the full-stack development of responsive web applications using Java, Spring Boot, React.js, and MySQL. Combines a deep technical understanding with adaptability to transform complex challenges into efficient, user-focused solutions.

Technical Skills

Frontend: HTML5, CSS3, JavaScript, Bootstrap, React.js

Backend: Java (OOPS, Collections, Multithreading), Microservices, RESTful API

Frameworks: Spring Framework (Spring Boot, Spring MVC, Spring Data JPA), Maven, Spring Security

Databases: SQL (MySQL, Oracle)

Tools: Eclipse / IntelliJ IDEA (IDEs), Visual Studio Code

Version Control: Git, Github

Productivity Software: Microsoft Office (Word, Excel, Power point)


Projects

Full stack Inventory Management System

[Live Demo \(Railway\)](#) 


- Tools Used: **Java, Spring Boot, React.js, MySQL**
- An E-commerce Platform/Inventory Management System is an ideal Java Full Stack project as it comprehensively covers all necessary development tiers.
- Secured all application endpoints using Spring Security to implement role-based access control and user authentication.
- Developed a responsive web interface with React.js, HTML5, and CSS3, improving data visualization and client-side efficiency for modern RESTful API consumption.
- Managed the end-to-end project lifecycle using Agile methodologies and Git, deploying the application to a cloud platform for high availability.

E-commerce Bookstore Platform

[Live Demo \(Netlify\)](#) 

- Tools Used: **HTML5, CSS3, JavaScript, localStorage API, JSON**
- Engineered a dynamic product system rendering book items from a JavaScript data structure with real-time search and filtering.
- Built a responsive, mobile-first UI using CSS Grid and Flexbox with smooth animations and transitions.
- Created modal windows for product details, form validation for checkout, and interactive user interface elements

Coffee Shop Website Development

[Live Demo \(Netlify\)](#) 

- Tools Used: **HTML5, CSS3, JavaScript**
- Developed a coffee shop website using HTML, CSS, and JavaScript to create a visually appealing and responsive design.
- The website ensures an intuitive, user-friendly experience with features like animated transitions and real time updates on special offers.

Education

B.E, Electronics and Communication Engineering

Sept 2021 – May 2025

Dhanalakshmi Srinivasan Engineering College- Perambalur

- CGPA: **9.3**

Higher Secondary Education

June 2020 – May 2021

Thanthai Hans Roever Higher Secondary School- Perambalur

- PERC: **91**

Secondary Education

June 2018 – May 2019

Thanthai Hans Roever Higher Secondary School- Perambalur

- PERC: **88**

Certificates

- Java Full Stack Developer from Besant Technologies.
- Microsoft Power BI **A** Grade from ICT Academy.
- Honors Diploma in Computer Application (DCA) **A** Grade from CSC Institutions.

Soft Skills

- Observation.
- Leadership.
- Problem Solving.
- Team Collaboration.
- Adaptability.

Achievements

Academic Excellence

- Received Department **First** topper award in College (2025).
- Received the overall **Second** mark award in the First Semester (2021).

Technical Competencies

- Active problem solver on platforms like LeetCode and HackerRank.
- Secured **First** Prize in the Technical Quiz at Roever Engineering College (2022).
- Secured **Third** Prize in the Technical Paper Presentation at Roever Engineering College (2022).

Participation

- Developed and prototyped a Smart Pollution Monitor solution during a 48-hour **Hackathon** integrating sensor data with a backend service.
- Competed in technical events and competitions at both the inter-college and intra-college levels.
- Appeared for the Graduate Aptitude Test in Engineering **GATE** 2024.
- Contributed to the **Top Designers'23** event at Sudharsan Engineering College.