

Karthikraja J

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PROFESSIONAL SUMMARY

Aspiring and dedicated undergraduate with foundational skills in software development and web designing. Eager to contribute to a dynamic team and grow professionally while leveraging academic knowledge and passion for technology to deliver innovative solutions.

TECHNICAL SKILLS

- Front-End: HTML (semantic tags), CSS (webpage design), JavaScript (DOM manipulation)
- Back-End: Core Java, Advanced Java (J2EE frameworks), Spring, Springboot
- Databases: SQL (data handling)
- Tools: Google Colab, Eclipse, VS Code, MySQL, Arduino IDE
- Productivity: GitHub, ChatGPT, MS Word, MS PowerPoint

INTERNSHIP EXPERIENCE

Web Designing Intern, Adyog Software Solutions Private Limited

Roles and Responsibilities:

- Worked as an individual contributor as part of a team, with a predetermined, focused scope of work.
- Created and maintained responsive web designs by applying guidelines and standard design principles.
- Delivered tasks with moderate instruction from supervisor and adhered to expected timelines.
- Ensured quality and functionality in web layouts through continuous improvement and testing.

September 2024

Full Stack Development Intern, Retech Solutions

July 2023

Roles and Responsibilities:

- Assisted in building and maintaining secure and scalable full-stack web applications using Java, Spring Boot, and React.
- Followed standard development practices and contributed to solving routine coding tasks under supervision
- Delivered assigned modules with moderate level of instruction on daily development tasks
- May have worked in flexible timelines or shifts based on project requirements

PROJECTS

Task Manager(Springboot)

March 2025

- Developed a Task Management System using Spring Boot to efficiently manage daily tasks.
- Implemented complete CRUD (Create, Read, Update, Delete) operations for seamless task handling and management.
- Utilized RESTful APIs to ensure smooth interaction between the backend services and the client interface.
- Enhanced application structure by following modular design principles and integrating best practices of Spring framework.

Wearable Hand Rehabilitation System

January 2023

- Developed an IoT-enabled wearable device using flex sensors, MPU6050, and ESP32 to monitor hand movements for remote physiotherapy.
- Integrated real-time data storage and visualization using Firebase and a React.js web application.
- Provided home-based recovery solutions with immediate feedback to enhance patient rehabilitation.
- Implemented real-time graphical analysis and sensor calibration to ensure accurate motion tracking and improve therapy effectiveness.

EDUCATION

B.E. Electronics and Communication Engineering, University College of Engineering, Kanchipuram (2021-2025), 76.4%

ADDITIONAL

Area of Interest: Software Development, Web Designing, Mobile Application Development, Backend Development

Languages: Fluent in Tamil, English

Certifications & Training:

- Java Programming – Infosys Springboard (Completed: August 2024)
- SQL Database Essentials – Infosys Springboard (Completed: August 2024)
- Java Full Stack Development Training – QSpiders Software Training Institute