

Karthikeyan M

Aspiring Software Developer

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Summary

I'm a motivated and detail-oriented computer science student with hands-on experience in web development through an internship at Internpe. I've worked with HTML, CSS, and JavaScript to build responsive websites and participated in academic projects presented at international conferences. I'm skilled in programming, problem-solving, and enjoy learning new technologies. I also hold a certification from NASSCOM in software development.

Education

Panimalar Engineering College
BE Computer Science and Engineering
GPA:8.7

September 2023 - June 2027

Frontend Developer

Internpe September 2024 - October 2024

Intern

During my web development internship, I worked on designing and building websites using HTML, CSS, and JavaScript. I gained hands-on experience in creating responsive layouts, improving user experience, and debugging code. I also collaborated with the team to implement new features and learned how to manage projects in a real-world setting. This internship helped me strengthen my technical skills and understand how web development projects progress from concept to launch.

Skills

Mobile app Development

Frontend

- Completed multiple small projects to build foundational skills in app development.
- Currently learning Flutter to develop cross-platform mobile applications with a focus on intuitive UI design, efficient state management, and smooth performance across Android and iOS devices.

I have experience in frontend development using HTML, CSS, and JavaScript to create responsive, user-friendly web interfaces. I focus on building clean layouts, improving user experience, and ensuring cross-browser compatibility. My projects reflect attention to detail and a strong understanding of modern UI practices.

Spring Framework

Problem Solving

I have hands-on experience working with the Spring Framework, particularly Spring Boot, to build scalable and RESTful backend applications. My projects include a Student Record Management System where I connected the frontend with a MySQL database using Spring Boot APIs. I also developed an AI-powered Email Writer that generates smart email content using prompts, integrating backend logic with a user-friendly frontend interface. These projects helped me strengthen my skills in full-stack development, REST APIs, and database connectivity.

I approach problems with a logical and analytical mindset, breaking them down into manageable steps to find effective solutions. Whether it's debugging code or designing a new feature, I enjoy the challenge of solving technical issues and learning from each experience.

Core Java

Core Java forms the foundation of Java programming and includes essential concepts like object-oriented programming (OOP), data types, control structures, exception handling, collections framework, and multithreading. I have a solid understanding of these fundamentals and have applied them in building Java-based applications with clean, modular code.

Technical Profile

GeeksforGeeks

<https://www.geeksforgeeks.org/user/karthikeya6wv9/>

_gl=1*lyalnf6*_up*MQ._*gs*MQ.&gclid=Cj0KCQjwucDBBhDxARIsANqFdr1BxbigPXXEVpI59HyMxFjqZ5WfaBTWegkXkaH aObZqFVovEJCOoCMaAjZMEA Lw_wcB&gbraid=AAAAAAC9yBkBKJYKliyykZS16oqxd9Q0q

Engaged in coding practice and learning through tutorials and challenges focused on data structures, algorithms, and programming concepts. Enhanced my technical knowledge and problem-solving abilities by applying theoretical concepts to practical problems.

Leetcode

<https://leetcode.com/u/Kar2831/>

- Developed expertise in data structures and algorithms through regular practice of algorithmic challenges, improving my coding efficiency and analytical thinking.

Hackerrank

<https://www.hackerrank.com/profile/karthikeyanm2821>

Completed 50+ coding challenges and earned certifications in Java and Algorithms. Gained strong skills in problem-solving and coding efficiency.

Achievements

International Conference 2024

March 2024

Crop based Prototype

Presented a prototype of a Crop-Based Application at an International Conference, showcasing an innovative solution for helping farmers select suitable crops based on soil, weather, and location data. The project demonstrated strong problem-solving, UI/UX design, and technical implementation skills, and was well-received for its relevance to sustainable agriculture.

Personal Projects

Web Application

Amazon landing page clone

Created an Amazon clone landing page using HTML and CSS, replicating the layout and design of the original site. This project helped me practice responsive design, layout structuring, and attention to detail in UI development.

Frontend Applications

Virtual Reality based Application

Developed a Virtual Reality web application using React, focused on delivering an engaging and intuitive user interface. The project emphasizes modern UI design principles, interactive components, and smooth user experience. It showcases my ability to build responsive, component-based frontends and integrate advanced features to simulate a virtual environment.

Fullstack Project

Student Record Management

Developed a full-stack Student Record Management System with a React.js frontend, Spring Boot backend, and MySQL database. The application enables efficient management of student data with features like adding, updating, and viewing records. This project strengthened my skills in building RESTful APIs, frontend-backend integration, and database management.

References

Github

<https://github.com/Kar2831>

Linkedin

<https://www.linkedin.com/in/karthikeyan-m-0a3a062a0/>