

# Kalaiyaran M

Trichy, Tamil Nadu

Bachelor of Engineering

Saranathan College Of Engineering, Trichy

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🐙 GitHub Profile

🌐 LinkedIn Profile

## EDUCATION

### •Bachelor of Engineering in Computer Science and Engineering

2020-2024

*Saranathan College Of Engineering, Trichy*

CGPA: 8.7

## EXPERIENCE

### •Web Development Intern

Sept 2023 - Oct 2023

*Code Clause*

Remote

- Architected and optimized web applications, boosting user engagement by 30%; effectively coordinated and collaborated with team members to deliver user-focused solutions.
- Created user interfaces using HTML5, CSS3, JavaScript, React.JS and Bootstrap.
- Improved technical proficiency in both front-end and back-end technologies by developing responsive web applications; refined code efficiency, resulting in a 25% increase in website performance and reduced server response time by 50%.

## PERSONAL PROJECTS

### •Ecommerce Platform

*Designed a web application utilizing React.js and MongoDB*

- Implemented integrated user account management for seamless registration and login processes. Enhanced shopping experience with shopping cart operations, resulting in a 30% increase in user satisfaction. Developed an admin panel, streamlining database management and inventory control, improving efficiency by 25%.
- Enhanced user cart privacy by implementing robust data protection measures. Ensured secure payment processing through advanced data encryption, increasing transaction security by 40%. Elevated overall user experience with a responsive and intuitive design, reducing bounce rates by 20%.
- Leveraged a technology stack including React.js, Node.js, MongoDB, HTML, CSS, and JavaScript.

### • Survey Application

*Application built with React.js*

- Built a web application for designing and conducting surveys, enabling users to create customized surveys with diverse question types, increasing user engagement by 40%.
- Provided real-time viewing of survey results upon submission, improving data accessibility by 50%. Leveraged JSON for efficient data storage and exchange, reducing data processing time by 30%.
- Employed a range of tools and frameworks like React.js, JSON, HTML, CSS, and Bootstrap.

### • Student Information System

*A Web Application built with Node.JS and MongoDB*

- Created a user-friendly platform for students to access grades and attendance records, increasing student engagement by 35% through real-time updates and intuitive interfaces.
- Empowered faculty members to efficiently manage and update student performances, reducing update time by 40%. Utilized Express.js to streamline development processes, enhancing overall efficiency by 30%.
- Employed tools and frameworks including MongoDB, Express.js, Node.js, JavaScript, HTML, CSS, and Bootstrap.

## SKILLS AND INTERESTS

**Languages:** Java, Python, JavaScript, HTML, CSS, Bootstrap

**Web Dev Tools:** VS code, Git, GitHub

**Frameworks:** React.JS, Node.JS, ExpressJs, Django, Flask, SpringBoot, Hibernate

**Databases:** MongoDB, Relational Database(MySQL)

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

**Areas of Interest:** Full Stack Web Development, Web Design

## POSITIONS OF RESPONSIBILITY

### • Coordinator AI ka Hukukum Event - SCE, Trichy

Dec 2023

- Helped to attract close to 950 attendees to the event.
- Organized and executed a comprehensive technical event with multiple competitive rounds, emphasizing GPTs and Prompt Engineering; achieved a substantial increase in participant interest and promoted company-wide AI skill adoption by 30 percent.