



Sathish kumar M

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Education

SCAD College of Engineering & Technology

2019 – 2023

Bachelor of Engineering in **Computer Science** | **CGPA – 7.2 Projects**

Tirunelveli, Tamil Nadu

Blood Bank Management System

- Developed a web-based Blood Bank Management System to streamline donor and recipient data management, blood inventory tracking, and facilitate seamless blood donation processes.
- Designed and implemented a Blood Bank Management System to manage critical operations including blood donation records, inventory management, and recipient requests. The system allowed real-time tracking of blood types in stock, automated donor eligibility checks, and provided notification alerts for low inventory.
- Key features included donor registration, search functionality for locating available blood types, and comprehensive reporting for blood usage and donations. The system was built using a full-stack architecture with a focus on scalability and efficiency to meet the demands of hospitals and blood banks. **Fauget Studio Quiz App**
- Developed an interactive quiz application for Fauget Studio, designed to provide an engaging user experience with dynamic question sets and real-time scoring.
- A web-based quiz application for Fauget Studio, featuring customizable question categories, time-based challenges, and real-time score updates. Integrated user authentication and leaderboard functionalities to enhance user engagement.
- The app was designed with a responsive front-end using React.js, and a robust back-end powered by Node.js and MongoDB to handle data storage and real-time communication.
- Emphasized a user-friendly interface and seamless performance across devices, ensuring an engaging and educational experience.

Experience

Dynamic Scientific Research and Technology

Mar 2024 – Present

Angular Developer

Tirunelveli.

- Assisted in the development of **single-page applications (SPAs)** using **Angular** framework, focusing on building responsive, user-friendly interfaces.
- Developed reusable and dynamic components using **Angular** modules, services, and directives, improving code modularity and maintainability.
- Integrated front-end UI with **RESTful APIs** to ensure smooth data flow and synchronization with back-end services. Implemented **two-way data binding** and **component interaction** to enable efficient and real-time data handling within applications.
- Optimized front-end performance by implementing lazy loading and on-demand module rendering to enhance user experience. Collaborated with senior developers to troubleshoot and resolve issues, gaining hands-on experience in agile development.

JSpiders

Aug 2023 – Feb 2024

Full-Stack Developer Intern

Bangalore.

- Assisted in the development and maintenance of Java full-stack web applications, gaining hands-on experience in both front-end and back-end technologies. Worked on small-scale projects using **Angular** and **React.js** for creating dynamic, interactive user interfaces.
- Gained experience in building **RESTful APIs** using **Node.js** and **Express.js**, enabling communication between the front-end and back-end.
- Learned about basic security practices like **input validation** and **authentication**, contributing to simple user login systems using **JWT** for session management.
- Acquired practical skills in Java, Spring Boot, and modern web technologies while working in a collaborative team environment.

Technical Skills

Programming Languages: Java, Typescript, JavaScript, SQL.

Developer Tools: VS Code, Chrome DevTools, Angular DevTools.

Technologies/Frameworks: HTML, CSS, Angular CLI, Angular Material UI, Angular JS, React JS, Spring Boot. **Soft Skills:** Communicate, Problem-solving, Content Create, Leadership, Innovate, Collaborate, networking, growth mindset.

Certifications

JSpider – Java Full – Stack Development.

TestDome – Java Programming.