Mathivathani S

Mern Stack Developer

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Summary:

Dedicated engineering graduate with a strong foundation in programming and hands-on experience in web development using the MERN stack. Passionate about building scalable and efficient applications, with a commitment to continuous learning and contributing to innovative solutions.

Skills:

- Programming Languages: JavaScript
- Web Technologies: HTML, CSS (Tailwind CSS), Material ui React.js
- Tools and Frameworks: Node.js, Express.js, MongoDB
- Soft Skills: Creative Thinking, Teamwork, Collaboration, Critical Thinking
- Languages: Tamil, English

Academic Background:

➢ **Bachelor of Electronics and Communication Engineering** [2020 - 2024]
Government College of Engineering (Anna University), Srirangam, India.

   CGPA-8.32

➢ **HSC** [2019 - 2020]
Seventh Day Adventist Matriculation Higher Secondary School, Madurai, India.
   CGPA-81%

➢ **SSLC** [2017 - 2018]
St. Joseph Matriculation Higher Secondary School, Dindigul, India
   CGPA-87.1%

Internship:

➢ **MERN STACK DEVELOPER – WIZ INOA - MADURAI JUNE 2024 – DEC 2024**

   Frontend: React.js, Redux, HTML, CSS, JavaScript.

   Backend: Node.js, Express.js, MongoDB, Mongoose.

- Developed a full-stack web application using the MERN stack for booking train tickets with features like dynamic route search, real-time train scheduling, and seat availability.
- Designed RESTful APIs using Express.js and Node.js to handle user authentication, bookings, and schedule management.
- Used Axios for frontend-backend communication and Postman for API testing and debugging.

Projects:

- **HFSS Antenna Design (Mini Project)**
  - Designed a high-frequency microstrip antenna in a temple-shaped structure using the HFSS platform.
  - Achieved high gain and efficiency.
  - Gained practical experience with electromagnetic simulation and analysis.

- **IoT-Based Real-Time Drainage Monitoring System**
  - Developed an intelligent real-time waste collection underground drainage monitoring system.
  - Integrated IoT and WSN technologies to enhance waste management practices.

Courses and Certificates:

- Mern Stack Developer Internship – Dec 2024

- **React Development Course**

  TNSkill – Tamil Nadu Skill Development Corporation | Jan 2025 – Present

  - Learned core React concepts including JSX, functional components, props, state, and hooks
  - Built responsive user interfaces and implemented API integration in mini-projects
  - Applied practical skills through real-time assignments and exercises