MUTHUSELVAM M

muthuselvam10102002@gmail.com| github://Muthuselvam |linkedin/muthuselvam/|portfolio

+91 9344395682 | Sivakasi, India

Full-Stack Developer with 1 year of hands-on experience in the MERN stack (MongoDB, Express.js, React.js, Node.js), focused on building scalable and responsive web applications. Proficient in creating dynamic user interfaces using React and Tailwind CSS, developing RESTful APIs, and integrating with cloud platforms like AWS. Adept at debugging, writing clean and maintainable code, and collaborating in Agile environments. Strong understanding of end-to-end application development and version control with Git.

TECHNICAL SKILLS

- **Programming Languages :** java (academic knowledge), JavaScript
- **Frontend Technologies :** React.js, HTML, CSS, Tailwind CSS
- **Backend Technologies :** Node.js, Express.js
- **Databases :** MongoDB , SQL (basic queries)
- **Cloud & DevOps :** Vercel, basic AWS (EC2/S3)
- **Version Control & Tools:** Git, GitHub, Postman
- **Other Skills:** RESTful API Development, CRUD Operations, Responsive Web Design, Authentication & Authorization (JWT, OAuth), Debugging & Troubleshooting, Web Security Best Practices (input validation, access control, secure authentication)
- **Development Practices:** Agile Workflow,Mobile-First Design

PROFESSIONAL EXPERIENCE

Full-Stack Developer
Brain Insight | *June 2024 – June 2025*

- Developed high-performance web applications using **React**, **Node.js**, and **MongoDB**, improving client data accessibility and user engagement.
- Styled responsive front-end components with **Tailwind CSS**, improving usability across devices.
- Collaborated with cross-functional teams to gather requirements, develop user interfaces, and manage backend data workflows.
- Enhanced API security by integrating **JWT-based authentication**.
- Assisted in testing and debugging React components to ensure code reliability and functionality.
- Participated in code reviews and provided feedback to improve code quality and consistency.
- Developed and maintained unit and integration test cases for React and Node.js cod

Full-Stack Developer (Internship)
Brain Insight | *May 2024 – June 2024*

- Developed a full-stack application using HTML, CSS, JavaScript, React , MongoDB and Node.js to manage multi-role user applications.
- Implemented admin panel functionality to monitor user activities and manage role approvals efficiently.
- Integrated email functionality to enable automated responses and status updates from admin to users.

PROJECTS

BookPublishing Website Development

Technologies : MongoDB, Express.js, React.js, Node.js (MERN), Stripe

- Developed a full-stack book publishing platform enabling users to log in, publish books, and manage sales.

- Integrated secure payment processing using Stripe, supporting both "Add to Cart" and "Buy Now" flows.

- Implemented delivery detail management, review system, and seamless order tracking for improved user experience.

EventManagement Website Development

Technologies : MongoDB, Express.js, React.js, Node.js (MERN), PrimeReact, Strip

- Designed and built an admin portal to create events, manage user registrations, and accept donations.

- Implemented user forms for event sign-up and payment processing, increasing operational efficiency.

- Integrated PrimeReact for rich UI components, ensuring a modern, responsive interface.

TaskManager Website Development

Technologies : MongoDB, Express.js, React.js, Node.js (MERN)

- Created a task tracking system for admins and employees with role-based dashboards.

- Enabled task assignment via email notifications and real-time task updates on employee dashboards.

- Built approval workflows for admins to review and confirm completed tasks efficiently.

EDUCATION

- **Bachelor of Engineering in Computer Science Engineering**
  Kamaraj College of Engineering and Technology, Virudhunagar (2020-2024)
  CGPA: 7.69 / 10.0.