HEMA PRIYA

MERN Stack Web Developer

My Contact

hemapriya2000mdu@gmail.com

+91 9791745670

Sivakasi

Personal Website

Technical Skills

- **Programming Languages** : JavaScript (ES6+), HTML5, CSS3
- **Front-end Development** : React.js, Three.js, WebGL
- **CSS Frameworks**: Bootstrap, Tailwind CSS
- **Back-end Frameworks** : Node.js, Express.js
- **Database** : MongoDB, Mongoose
- **Full-stack Development:** MERN Stack (MongoDB, Express.js, React.js, Node.js)
- **Version Control** : Git, GitHub
- **Package Managers** : npm
- **Build Tools** : Webpack
- **API Development**: RESTful APIs, JSON, Express.js
- **Development Tools** : Visual Studio Code, Postman
- **Deployment**: Vercel
- **3D Modeling** : Blender, 3D Animation, Texturing, Lighting, Rendering

Languages

English

Tamil

Hindi

Objectives:

Highly motivated and detail-oriented Full Stack MERN Developer with specialized skills in React.js, Three.js, Node.js, and Tailwind CSS. Proficient in creating visually stunning and interactive web applications, with a strong foundation in both front-end and back-end development. Experienced in 3D modeling and animation using Blender, with a passion for integrating 3D elements into web experiences. Committed to delivering high-quality, performant code and continuously expanding my knowledge of the latest web technologies. Adept at collaborating with cross-functional teams to deliver innovative, user-centric solutions.

Educational Qualification

- Lady Doak College, Madurai.
  M.Sc (2020 - 2022) with 84.1%
- Lady Doak College, Madurai.
  B.Sc (2017 - 2020) with 71%

Other Qualifications

- **Diploma in Computer Application (DCA)**, Completed on 2013 with 'B' Grade, CSC, Madurai.
- **Typewriting English SENIOR Grade** (45WPM), Completed on 2018 with First Class.
- B.A (Hindi), Dakshina Bharat Hindi Prachar Sabha, Completed on 2013 with Third Class.

Training

- **Full Stack Development MasterClass,** NoviTech R&D Private Limited. [March 2024 - May 2024]
  - Gained comprehensive training in full-stack web development, covering advanced front-end and back-end techniques

Certification

- **Responsive Web Design (2024)** (300 hours of work) online freecodecamp
- **MongoDB Tutorial (2024)** Online greatlearning.com
- **Full Stack Development (2023)** Online Course *guvi.in*
- **Tailwind CSS (2023)** Online Course *mindluster.com*
- **Git Tutorial & GitHub Copilot using JavaScript (2023)** Online Course *greatlearning.com*
- ***React Bootcamp (2024)*** *(3days) Online LetsUpgrade*

Experience:

Full Stack Website Development Intern
[EI Systems Services, Uttar Pradesh] [March 2024 - Present]

- Developing and maintaining full-stack applications using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Enhancing user interfaces with React.js and Tailwind CSS to ensure responsive and user-friendly designs.
- Implementing RESTful APIs with Node.js and Express.js to manage data interactions between the front-end and back-end.
- Conducting testing, debugging, and optimization to improve the overall performance and reliability of applications.

Full Stack Developer Intern
[Pantach Prolab India PVT ltd, Chennai] [March 2024 - June 2024]

- Completed an intensive, hands-on learning program covering front-end and back-end development.
- Built and deployed full-stack applications from scratch, using technologies like HTML, CSS, JavaScript, React.js, Node.js, and MongoDB.
- Integrated advanced back-end features such as middleware for authentication and file handling.
- Participated in performance optimization and deployment processes using Docker and CI/CD practices.

Web Developer Intern
[Illusiview Immerse Solutions, Coimbatore] [January 2024 - March 2024]

- Collaborated with a team to implement user-facing features using React.js.
- Optimized website performance and responsiveness, enhancing the user experience.
- Contributed to the team's Git repository and participated in code reviews to ensure high-quality code standards.

Projects:

- **Full Stack Project**

  Project Name: ***HP Cloth Store*** *[Live] [Demo Video] [GitHub]*

  - **Description**: Developed a full-stack e-commerce clothing store application called HP Store using the MERN stack to allow users to browse, purchase, and manage clothing items. The platform provides a seamless online shopping experience with secure payment processing and user authentication.
  - **Key Features:**
    - Implemented a full **CRUD functionality** for managing product listings, including adding new products, updating inventory, and removing items.
    - Developed a **user authentication** system using JWT for secure login and signup processes, with personalized user accounts that support order history and account management.
    - Integrated **Stripe, Razorpay payment gateway** functionality to process secure transactions for customer purchases.
    - Designed and built the backend using **Node.js and Express.js**, which included RESTful API endpoints for product management, user authentication, and order processing, all stored in a **MongoDB** database.
    - Developed the frontend using **React.js**, utilizing React Router for smooth navigation between product pages, shopping cart, and user profiles.
    - Implemented a **shopping cart** system allowing users to add and remove items, adjust quantities, and proceed to checkout.
    - Created a responsive, mobile-first design with CSS and **TailwindCSS**, ensuring a consistent user experience across all devices.

  Project Name: ***HP Blogs*** *[Live] [Demo Video] [GitHub]*

  - **Description**: Developed a full-stack blog application called HP Blogs using the MERN stack (MongoDB, Express, React.js, Node.js) to allow users to create, view, edit, and delete blog posts.
  - **Key Features:**
    - **Blog Management:**
      - The app allows users to create, read, update, and delete blog posts. Users can write new blogs, edit existing ones, and delete posts through a user-friendly interface, with changes reflected instantly on the frontend.
    - **Search and Pagination:**
      - Users can search for blog posts by title or category. The blog list is paginated, allowing users to navigate through multiple pages of content efficiently, improving user experience for large data sets.
    - **Rich Text Editor for Blog Content:**
      - The app incorporates a rich text editor (ReactQuill) for creating and editing blogs, enabling users to format their content with various styles like bold, italic, links, and more, providing a professional feel to the blogs.

- **Front End Project**

  Project Name: ***Coconest Eco Resort - Demo Project - Landing Page*** *[Live] [Demo Video] [GitHub]*

  - Developed a demo website for "Coconest Eco Resort" using React.js to showcase the resort's offerings and enhance its online presence.
  - Designed and implemented a responsive and visually appealing user interface with a focus on user experience, ensuring seamless navigation across various devices.
  - Utilized React.js components and state management to create dynamic pages for booking, gallery, and contact forms.
  - Integrated third-party libraries for smooth animations and interactive features, enriching the user experience.
  - Ensured optimal performance and accessibility by following best practices in front-end development.

- **Front-End 3D Projects**

  Project Name: ***Web development & design company - Sample Project - Landing Page*** *[Live] [Demo Video] [GitHub]*

  - Developed a 3D interactive website for a sample web development and design company using React.js and Three.js to showcase their services in a visually engaging manner.
  - Created a dynamic, responsive user interface with React.js, seamlessly integrating Three.js to render and interact with 3D models on the website.
  - Implemented smooth animations, interactive elements, and realistic lighting effects to enhance user experience and engagement.
  - Focused on optimizing the performance of 3D elements for different devices and browsers, ensuring fast load times and smooth navigation.

  Project Name: ***3D Website - Sample Project*** *[Demo Video] [GitHub]*

  - Developed a 3D interactive website using Three.js to create a visually stunning experience.
  - Created and textured a 3D model in Blender, and imported it into the website using Three.js for real-time rendering.
  - Implemented camera controls, lighting effects, and smooth animations to enhance the interactivity and realism of the 3D environment.
  - Optimized the performance of the 3D model for web browsers, ensuring smooth interactions and minimal loading time.
  - Used JavaScript and Three.js's scene graph to handle 3D object positioning, rendering, and interaction logic.