



HEMA PRIYA

MERN Stack Web Developer

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

My Contact

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- 📍 Madurai
- 🌐 [Personal/Portfolio 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 : Vite, Webpack
- API Development: RESTful APIs, JSON, Express.js
- Development Tools : VS Code, Postman
- Deployment: Vercel, Render
- 3D Modeling : Blender, 3D Animation, Texturing, Lighting, Rendering

Languages

English



Tamil



Hindi



Experience:

MERN Stack Developer (Freelancer)

[Self-Employed] [October 2024 – Present]

- Designing and developing a full-stack **e-commerce** website for a crackers shop using the **MERN Stack**
- Implementing **secure user authentication, product catalog management, shopping cart functionality, and orders management system** to enhance user experience.
- Enhancing user interfaces with **React.js, Tailwind CSS**, and responsive design principles to ensure responsive and user-friendly designs.
- Integrating **RESTful APIs** with Node.js and Express.js for efficient data handling.
- Conducting **testing, debugging, and optimization** to improve overall performance and reliability of applications.

Planning to deploy the website on Vercel, with launch scheduled for August 2025 [Overview of the Project]

Full Stack Website Development Intern

[EI Systems Services, Uttar Pradesh] [March 2024 - September 2024]

- Developing and maintaining **full-stack web applications** using the MERN stack.
- Building custom **UI components** using **React.js and Tailwind CSS** to ensure optimal user experience.
- Creating **secure and scalable REST APIs** with Node.js and Express.js for seamless data interaction.
- **Optimizing application performance, debugging issues, and ensuring smooth deployment.**
- Deploying projects on **cloud platforms** (e.g., Vercel, AWS) for high availability.

Full Stack Developer Intern

[Pantach ProLab India PVT Ltd, Chennai] [March 2024 - June 2024]

- Completed an intensive, hands-on **full-stack development** program covering **HTML, CSS, JavaScript, Bootstrap, Tailwind CSS, React.js, Node.js, and MongoDB**.
- Built and deployed **full-stack applications from scratch** with authentication and middleware integration.
- Optimized application performance and **implemented CI/CD pipelines** using Docker for efficient deployment.

Web Developer Intern

[Illusiview Immerse Solutions, Coimbatore] [January 2024 - March 2024]

- Collaborated with a team to develop **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.

- **Description:** Developed a full-stack food delivery web application using the MERN stack, allowing users to browse restaurants, add food items to their cart, place orders, and track deliveries. The platform offers a seamless and secure ordering experience with integrated payment processing and user authentication.
- **Key Features:**
 - Full **CRUD Functionality** enabled restaurant owners to manage food listings, update menu items, and remove unavailable dishes.
 - **JWT Authentication** Implemented a secure login and signup system, providing users with personalized accounts, order history, and account management.
 - **Stripe Payment** Integration for processing secure online transactions, ensuring smooth and reliable payments for customer orders.
 - Backend Development (**Node.js & Express.js**) designed and built a RESTful API for managing users, orders, and restaurant listings, with data stored in a **MongoDB database**.
 - Built a user-friendly interface with **React.js**, including smooth navigation using **React Router** for restaurant browsing, cart management, and checkout.
 - Implemented a dynamic cart that allows users to add or remove food items, modify quantities, and proceed to checkout.
 - **Order Tracking & Management** provided users real-time order tracking, while restaurant owners could manage incoming orders efficiently.

● Front End Project

Project Name: Brainwave - Modern UI/UX React Application [[Live](#)] [[Demo Video](#)] [[GitHub](#)]

- "Brainwave," a responsive React-based UI/UX application focused on modern design and user experience.
- **Key Features:** Built dynamic visuals, smooth transitions, and interactive elements to enhance user engagement.
- **Reusable Components:** Implemented reusable React components to optimize code efficiency, promoting scalability and maintainability.
- **Responsive Design:** Ensured the app's compatibility across devices, creating a seamless experience on desktop, tablet, and mobile.
- **Code Quality:** Prioritized clean, organized code structure, making it adaptable for future development and collaboration.

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.