

MADANRAJ P

MERN Stack Developer

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Education

Bachelor of Engineering in Computer Science

2019 - 2023

Vels University, CGPA: 7.4/10

Chennai

Key Courses: Data Structures and Algorithms, Database Management, Software Engineering, Web Development.

Skills

Languages/Libraries: JavaScript, Python.

Web applications/Frameworks: React.JS, Redux, Express.JS, Node.JS, Tailwind CSS, Bootstrap, HTML, CSS.

Database/Tools: MongoDB, MySQL, Version control(Git), Github

Others: Problem Solving, Communication, Responsive and Adaptive Design

Experience

Open Source Contributor and Freelancer

Present

(Front-end Developer)

Remote

- Created an engaging and **responsive** landing page for the gym website. And developed an user experience and **user-friendly** admin dashboard for gym administrators.
- Converted a **Figma Design** into a modern and responsive main page using **React** and **Tailwind CSS**, Demonstrated strong attention to detail, **UI/UX design skills**, and expertise in front-end development.
- Added a signIn and SignUp page in the Blood Donation website project(React.js) and contributed to TigDog, Linkfree, Freehit, ProjectsHut, and many other projects.

Teenofes Tech Solutions Pvt. Ltd

Mar 2022 – May 2022

(Front-end Developer)

Pallavaram, Chennai

- Developed a responsive hospital website using **HTML** and **CSS**, ensuring optimal display on all devices. Implemented animations using **JavaScript** to enhance user interactivity and engagement.
- Collaborated with a team of three members, leveraging their expertise to learn and apply new skills effectively.
- Gained hands-on experience in **web development** best practices, including **responsive design** and JavaScript animations, under real-world project constraints.

Projects

Forest fire detection | Python, Convolutional Neural Network, TensorFlow

- Built a **convolutional neural network-based model** in Python, for classifying Fire images as demented or not demented.
- Presented and conveyed the data driven insights and model results about the **accuracy, precision**, and recall of the model to staff and external of the project review

Movie streaming app | JavaScript, ReactJs, React-router, Redux Toolkit, Firebase, tailwind css [Github](#), [Source](#)

- Developed a Movie streaming app which is similar to (Disney plus clone) using React.js and **Redux toolkit** for **state management**, closely mimicking the original user interface
- Leveraged Firebase to implement Google user **authentication**, ensuring secure access to the application. Utilized **Firebase storage** to fetch and display movie data, creating a dynamic and **interactive user experience**

Zen-desk | React, Node, Express, MongoDB, Redux-toolkit, tailwind CSS [Github](#), [Source](#)

- Developed and implemented a comprehensive employee tracking system using the **MERN (MongoDB, Express.js, React.js, Node.js) stack**.
- Designed and built **RESTful APIs** for employee data management and integrated authentication mechanisms using **JWT for secure access**.
- Utilized **MongoDB's aggregation framework** to track and visualize employee creation statistics, enabling admins to monitor trends over time.