VIJAYARAGAVAN

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Education

Dr Mahalingam College of Engineering and Technology   **2020 - 2024**
Bachelor of Technology in Information Technology(CGPA of 9.5)*   *Pollachi, India*

Experience

Freelancing   **Nov 2023 − Present**
Freelance Web Developer   *Remote*
- Created full-stack MERN web applications, integrating front-end and back-end elements. Implemented user authentication, data management, and interactive content rendering to enhance user experience and meet client needs.

Projects

Bite Burst | *ReactJS , MongoDB , NodeJS , Express and Chakra UI* | GitHub | Live
- Crafted a food delivery app, empowering restaurants to manage menus with ease, and offering customers a seamless experience to view, order, and add items to their carts effortlessly.
- Implemented secure user authentication for customers and restaurants, employing hashed passwords with Bcrypt and incorporating **Token-based authentication** using JWT for enhanced security and seamless authorization.
- Improved user experience with advanced features, including **searching, filtering, and sorting** functionalities.
- Utilized **RESTful APIs** to facilitate smooth communication between the frontend and backend.
- Integrated Razorpay for secure and efficient **online payment transactions**, optimizing the app's payment capabilities for elevated user experience

Fox Fortune | *ReactJS , Firebase , Chakra UI , Chart JS , Redux-Toolkit and CoinRanking API* | GitHub | Live
- Designed an interactive website allowing users to track and manage their cryptocurrency portfolios.
- Facilitated real-time data visualization with Chart.js, empowering users to visualize cryptocurrency prices, market capitalizations, and growth trends over the years.
- Optimized website performance significantly, elevating the score from **54%** to **76%** through the implementation of code splitting and lazy loading techniques.
- Integrated **Google Authentication** via Firebase, ensuring secure user access and authentication.

Blaze Messenger | *ReactJS , MongoDB , NodeJS , Chakra UI and Express* | GitHub
- Executed robust user authentication, allowing users to securely log in with their email addresses and encrypted passwords using Bcrypt.
- Enabled users to engage in interactive chat sessions and create custom groups, with the ability to add or remove members flexibly.

Employee Tracker | *ReactJS, NodeJS, Express JS, MongoDB and Bootstrap* | GitHub
- Engineered a user-friendly website for accessing and modifying employee data, with administrative capabilities for CRUD operations.
- Utilized Axios for efficient handling of get/put/post requests to the server, ensuring smooth data interactions.
- Crafted a robust and scalable database schema, optimizing data storage and retrieval efficiency for enriched application performance.

Skills

- Java | JavaScript | React.js | Node.js | MongoDB | Express.js | Rest API | HTML | CSS | JWT | Python.
- Data structures and Algorithms | OOPS | DBMS | OS | Computer Networks.

Achievements

- **LeetCode**: Max Rating - 1607 | Top **21.3%** | Profile Link
- Placed **3990**[th] rank among 26,000+ participants in LeetCode BiWeekly Contest 121.
- Placed **775**[th] rank among 33,000+ participants in **Codechef** Starters 119 Division 3.
- Completed over **300** coding challenges on LeetCode.
- Competed in **Smart India Hackathon 2022** and advanced to round two.
- **Academic Excellence Award:** Awarded **3**[rd] prize for maintaining an exceptional CGPA throughout the academic program.

Certification

- JavaScript - Spoken Tutorial project at IIT Bombay
- JAVA - HackerRank | Certificate Link
- Data Structures and Algorithms (Intermediate) - HackerRank | Certificate Link