Shanmukha Kumar Karra

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Summary

Highly motivated and proactive **MERN Stack Developer** actively seeking opportunities. Proven ability in developing robust **full-stack web applications** with a strong focus on performance and responsive **UI/UX design**. Expert in core web technologies: **JavaScript**, **HTML5**, and **CSS3**, leveraging frameworks like **ReactJS**, **ExpressJS**, and **NodeJS**. Proficient in utilizing **MongoDB** for data persistence and implementing modern styling with **Tailwind CSS** and **Bootstrap**. Experienced in **version control** using **Git/GitHub** and integrating **Firebase** for scalable **authentication** and **real-time database** solutions. Eager to contribute **problem-solving skills** and a **growth mindset** to a collaborative software development team.

Education

B.Tech   **Sri venkateswara College Of Engineering (Autonomous)**, Tirupathi   2023 – 2026
- Bachelor of Technology (**B.Tech**) in **Information Technology**
- **GPA: 8.3** (Strong Academic Standing)

Diploma **Andhra Polytechnic**, Kakinada   2020 – 2023
- Diploma in **Computer Science Engineering**
- **GPA: 7.6** (Solid Foundation in Computing Principles)

Technologies

Languages: JavaScript, **HTML5**, **CSS3**, Python, PHP, **SQL**

Frameworks & Databases: ReactJS, **ExpressJS**, **NodeJS**, **MongoDB**, **Tailwind CSS**, Next.js (Beginner), **Bootstrap**, **Mongoose**, MySQL

Tools & Platforms: Git & GitHub, Linux, MS 360, Figma, **Firebase**, Netlify, Vercel, **REST APIs**, **Postman**, NPM, Vite, **MongoDB Atlas** & Compass, AI Development Tools

Projects

Focus-Blocker-ChromeExtension: Screen Time Management Tool   GitHub Link ☑
- Developed a **Chrome Extension** utilizing **ReactJS** to monitor and track user screen time on Chrome.
- Implemented dynamic blocking functionality for distracting websites based on user-defined preferences.
- Utilized modern **JavaScript** practices for efficient data handling, state management, and seamless UI updates.

Notes Management Application (MERN Stack)   GitHub Link ☑
- Engineered a scalable, **full-stack notes management application** with complete CRUD (Create, Read, Update, Delete) functionality and **persistent storage**.
- Designed the responsive front-end using **React.js**, **Vite**, and **Tailwind CSS**; developed the back-end using **Node.js**, **Express.js**, and **MongoDB**.
- Implemented **Mongoose** for effective **schema design** and data modeling, ensuring robust data integrity.
- Conducted comprehensive API verification and testing using **Postman**.

Disney MovieApp (Full-Stack Entertainment App)   GitHub Link ☑
                                                                                            Live ☑
- Developed an end-to-end **full-stack movie application** featuring comprehensive movie details (Cast, Trailer, Genre, Rating) and a **responsive user interface**.
- Integrated a secure **user authentication** system (**Login/Logout**) using **Clerk** and a personal **Watchlist** feature, enhancing user engagement.
- Front-end developed with **Next.js**, **React.js**, **Vite**, and **Tailwind CSS**, utilizing the **TMDB API** for data retrieval, and Build Back-End with **Node.js** and **MongoDB**