

Karthick Eswaran

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PROJECTS

Chat app | 📁 [repo link](#)

- Developing a real-time chat application using the MEAN stack, ensuring smooth and interactive user experiences.
- Designed a sleek, responsive UI with React, Tailwind CSS, and the clsx library, creating reusable and efficient components.
- Utilized Axios for seamless API communication, optimizing data fetching and state management.
- Built a robust NestJS backend, integrating Mongoose and MongoDB Atlas for scalable and efficient data handling.
- Implemented RESTful APIs, JWT authentication, and Socket.io for secure, real-time messaging and data flow.

Expense Tracking Notes App | 🌐 [live link](#)

- Developed a full-stack web app using the MERN stack for daily expense management.
- Crafted a dynamic and responsive UI with Angular, Tailwind CSS, leveraging data binding, lifecycle hooks, and FormGroup for interactive user experiences.
- Engineered a robust backend with NestJS, integrating TypeORM and MySQL for efficient data handling and security.
- Implemented JWT authentication and Auth Guards to safeguard user data and ensure secure access control.
- Designed RESTful APIs for seamless data exchange between the frontend and backend, optimizing performance.
- Configured and hosted the web app on a Linux server using Apache, ensuring stability and high availability.

Cyber-Check | 🌐 [live link](#)

- Developed a responsive frontend interface that seamlessly adapts to both desktop and mobile screens.
- Utilized web technologies such as HTML, CSS, JavaScript, and Bootstrap, PHP.
- Implemented dynamic templating with PHP for efficient web page generation.
- Deployed on a robust Linux server with Apache configurations for optimal performance and reliability.

Auth Endpoints | 📁 [repo link](#)

- Built a backend system with LAMP stack, and OAuth for secure authentication and token-based access
- Integrated PHPMailer for email functionalities like signup confirmations and password resets.

SKILLS

Programming Languages: C/C++, JavaScript, TypeScript, PHP

Libraries/Frameworks: ReactJS, Angular, NestJS, Bootstrap, Tailwind CSS

Database: MySQL, MongoDB

Tools: Git, GitLab, VS Code, PostMan, Figma, Spline, Linux

Softskills: Collaborative, Adaptative, Continuous learning

EXPERIENCE

Mahindra Research and Development | *Associate Engineer*

July 2022 – Aug 2023

- Worked on vehicle monitoring software's, gathering and analyzing data to identify key insights for improvement.
- Translated complex data into actionable insights, focusing on best practices and areas for optimization.
- Collaborated with cross-functional teams and external suppliers, ensuring smooth communication and efficient project coordination.

CERTIFICATION

Completed an in-depth course in Web Engineering at SNA Academy, mastering the fundamentals and intricacies of web development, and gaining a comprehensive understanding of how the web functions from the ground up.

EDUCATION

Sri Krishna College Of Technology

June 2022

B.E Mechanical Engineering