

Karthick Eswaran S

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Skills

Programming Languages: C++, Javascript, Php

Technologies: Angular, NodeJS, Nest JS, Typescript, Php, GitLab, Linux, HTML, CSS, js, Bootstrap

Soft Skills: Communication, Collaboration, Adaptability, Problem-solving

Projects

Expense Tracking Notes web app (Full-stack) - [[Frontend </>](#)] [[Backend </>](#)] [[website In Progress](#)]

- Built a secure web app combining expense-tracking and note-taking using **Angular**, **NestJS**, and **MySQL**, with **JWT authentication** for secure user access.
- Hosted on **Linux** with **Apache**, offering real-time expense tracking to help users better manage their finances.
- Achieved **90%** security assurance, ensuring data protection and secure app functionality.
- Designed a **responsive** user interface with **Bootstrap** for seamless performance across devices.
- Followed **MVC architecture** for optimized maintainability and scalability.
- Tools & Technologies: **Angular** , **Nest Js**, **Apache**, **TypeORM**, **MySQL**, **Linux**, **Bootstrap**

User Management System (Backend) - [[code</>](#)]

- Developed a secure user management system enabling **CRUD** operations.
- Implemented **authentication** and **authorization** to ensure only authorized users can access **protected API endpoints**.
- Utilized **OAuth** for secure authentication. Integrated **Email verification** for authenticated users.
- Adopted **MVC architecture** to streamline development and maintainability.
- Employed **Apache error logs** for effective error tracking and debugging.
- Ensured high security, with an estimated security assurance level of **90%**.
- Tools & Technologies: **PHP**, **Apache**, **MySQL**, **Linux**.

Cyber Check (Frontend) - [[code</>](#)] [[Goto website](#)]

- Designed and developed a responsive cybersecurity service-based website prototype.
- Focused on **UI/UX design** to create an intuitive and user-friendly interface.
- Utilized modern web technologies including **HTML**, **CSS**, **JavaScript**, and **Bootstrap** for development.
- Used **PHP** for templating purposes to dynamically generate web pages.
- Deployed on a Linux environment to leverage its stability and security features.
- Tools & Technologies: **HTML**, **CSS**, **Javascript Bootstrap**, **PHP**, **Apache**, **Linux**

Certification

SNA (Selfmade Ninja Academy) - [[Certification](#)]

Course Work : Offensive and Defensive Programming (Web Engineering)

Experience

Mahindra & Mahindra (R&D) - (2022-2023)

- Deputed as an **Associate Engineer**, successfully worked on multiple projects and collaborated with **cross-functional teams** and **external suppliers**.
- Demonstrated good **communication** and **interpersonal skills**, ensuring clear, efficient coordination between teams and stakeholders.
- Adaptable in fast-paced environments, with a strong focus on **problem-solving** and attention to detail.

Education

Sri Krishna College of Technology - Coimbatore

B.E Mechanical Engineering - **CGPA ~ 7.2**