

# Karthick Eswaran S

Phone : +91 6383341294 | Email : [karthickeswaran8@gmail.com](mailto:karthickeswaran8@gmail.com) | [visit my website](#) | [Linkedin](#)

## Skills

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**Programming Languages:** C++, Javascript, Php

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

## Certification

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**SNA (Selfmade Ninja Academy) - [certification link](#)**

**Course Work :** Offensive and Defensive Programming

**Description :** Completed comprehensive coursework in web development and web security practices, emphasizing secure web application development, robust REST APIs implementation with hands-on projects focused on design, deployment, and security best practices.

## Projects

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**Expense Tracking Notes web app (Full-stack) - [gitlab gitlab](#)**

- 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 92% 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*
- The website is hosted at SNA Labs: [visit the website](#) - (In progress)

**User Management System (Backend) - [gitlab](#)**

- 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) - [gitlab](#)**

- Designed and developed a responsive cybersecurity service-based website prototype.
- The primary objective of the project is to protect data against hackers and prevent data leaks.
- 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.
- Utilized *Apache* for error debugging, ensuring effective tracking and resolution of issues.
- **Tools & Technologies:** *HTML*, *CSS*, *Javascript* *Bootstrap*, *PHP*, *Apache*, *Linux*
- The website is hosted at SNA Labs: [visit the website](#)

## Education

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**Sri Krishna College of Technology - Coimbatore**

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