

KARTHIGA

Full Stack Web Developer

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Github : github.com/KarthigaP20

Portfolio : [Karthiga's portfolio](#)

PROFILE SUMMARY

A passionate and detail-oriented Full Stack Developer with a solid foundation in modern web development practices and a drive to build meaningful digital experiences. Proficient in front-end technologies such as HTML, CSS, Tailwind CSS, and JavaScript, with hands-on experience creating responsive interfaces using React.js and managing state with Redux. Skilled in backend development with Node.js and Express.js, and experienced in working with MongoDB for database operations. Familiar with version control tools like Git and GitHub, prompt engineering for AI-assisted workflows, and foundational knowledge of Java and SQL. A quick learner, adaptable, and eager to contribute to real-world projects while growing in a collaborative and dynamic environment.

EDUCATION

Dhanalakshmi Srinivasan College of Engineering and Technology

Bachelor of Computer Science and Engineering; GPA: 8.14

Chennai, India

November 2021 - April 2025

Govt Girls Higher Secondary School

HSC; Percentage: 82%

Chengalpattu, India

June 2019 - May 2021

TECHNICAL SKILLS

Languages : HTML5, CSS3, JavaScript (ES6), Java (Basics)

Frameworks: React.js, Redux, Tailwind CSS, Node.js, Express.js

Databases : MongoDB, MySQL (Basics)

Development Tools: Vite, Git, GitHub, VS Code, Postman, npm, Prompt engineering tools, RESTful API

Communication Skills: English, Tamil

Soft Skills : Problem-solving, adaptability, attention to detail, quick learner, time management, self-motivated, team-oriented

PROJECTS

[SeaSideWaffle](#) | Full-Stack E-Commerce Web Application

August 2025 - September 2025

Tech Stack: React.js, Vite, Tailwind CSS, Firebase, Node.js, Express.js, MongoDB, JWT, Multer, Cloudinary, Nodemailer.

- Designed and developed a responsive e-commerce platform using the **MERN stack** with **Firebase authentication** for secure user login and signup.
- Built a dynamic React.js (Vite) and Tailwind CSS frontend with product catalog, cart, checkout, and profiles, and implemented **RESTful Node.js/Express.js APIs with MongoDB (Mongoose)** for scalable data handling.
- Integrated **JWT authentication** for secure access, **Multer and Cloudinary** for product image uploads, and Nodemailer for sending new user registration and OTP verification emails.
- Developed a secure **Admin Dashboard** to manage products, users, and orders with **real-time updates**, and deployed the frontend on Vercel and backend on Render for seamless cloud hosting and continuous availability.

[BulkMail Sender & Weather Snap](#) | Interactive Full-Stack Utility Apps

July 2025 - August 2025

Tech Stack: React.js, Vite, Tailwind CSS, Axios, Node.js, Express.js, MongoDB, Nodemailer, OpenWeatherMap API, Vercel, Render

- Created full-stack applications using React.js, Vite, Tailwind CSS, Axios for frontend and Node.js, Express.js, MongoDB for backend services.
- Built **BulkMail Sender** to upload Excel email lists, send bulk personalized emails using **Nodemailer** and Gmail SMTP, and log email statuses in **MongoDB Atlas**.
- Developed **Weather Snap** to fetch real-time weather data from **OpenWeatherMap API** with dynamic UI backgrounds, error handling, and responsive glassmorphic design.
- Emphasized **responsive design, real-time feedback**, API integration, and error management across both projects.
- Hosted frontend on Vercel and backend on Render for seamless deployment and cloud availability.

CERTIFICATES

Web Development Fundamentals | EMC Academy – Apr 2025 | [CERTIFICATE](#)

- Gained foundational skills in HTML, CSS, and JavaScript to create responsive static websites and interactive web pages.

MongoDB Node.js Developer | SmartBridge – Sept 2024 | [CERTIFICATE](#)

- Learned the fundamentals of MongoDB and Node.js, focusing on backend workflows and API integration basics.

Full Stack Java Developer | Retech Solutions – Jul–Aug 2024 | [CERTIFICATE](#)

- Learned the core concepts of Java-based full stack development, including Spring Boot, MySQL, and RESTful services.

OCI Foundations Associate | Oracle – Mar 2025 | [CERTIFICATE](#)

- Gained knowledge of key Oracle Cloud Infrastructure concepts, including compute, storage, networking, security, and cloud architecture fundamentals.

ACHIEVEMENTS

- Completed 10+ self-driven projects, treating each week as a mini sprint with a focus on clean design and functionality.
- Applied all learnings to design and develop a personal portfolio that reflects growth, consistency, and creativity.