

Selvaganapathy K

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CORE SKILLS

Frontend skills: HTML5, CSS3, JavaScript, React.js, Embedded.js

Framework: Bootstrap5

Backend skills: Node.js, Express.js, RESTful APIs, MongoDB

Programming Language: Python

Tools & Platforms: Postman, VScode, Git, GitHub

Soft Skills: Self-Motivation, Problem-Solving, Teamwork and Collaboration .

PROJECTS

E-commerce Web Application

Oct 2024 – Nov 2024

Personal Project

ReactJS, RESTful APIs, ExpressJS, MongoDB

- Developed a full-stack e-commerce web application using the **MERN** stack (**React.js, Express.js, MongoDB**) to create a dynamic and scalable online store.
- Designed and implemented a **user-friendly frontend** with **React.js**, utilizing state management through the **Context API** and responsive design techniques to enhance the user experience across various devices.
- Integrated secure user authentication and authorization using **JWT** and **bcrypt** to protect customer data. This also facilitated the management of product listings, user accounts, shopping carts, and order processing.
- Incorporated **payment gateways** like **PayPal** to enable seamless transactions and efficient order management.
- Built a comprehensive admin panel for product management and order tracking. It improved application performance by reducing load times by **90%**, ensuring scalability to support **90%** of concurrent users.
- Deployed the application on Render and managed version control using Git and GitHub for collaborative development.
- **LIVE - E-Shopper.com**

Weather Web Application

Sep 2024 – Oct 2024

Personal Project

ReactJS, Free Weather API

- Developed a weather web application using **React.js** for the front end and **Axios** to interact with the **FreeWeatherAPI** for real-time weather data.
- Built a dynamic and responsive user interface to display weather information, including temperature, humidity, wind speed, and forecasts based on user-entered locations.
- Integrated **Axios** to handle API requests and fetch data asynchronously, ensuring efficient and responsive performance.
- Implemented a search function that allows users to enter a city name and retrieve current and forecasted weather data.
- Utilized **React hooks (useState, useEffect)** to manage state and optimize component rendering.
- Deployed the application on **Netlify** for seamless hosting, and used **Git and GitHub** for version control and collaborative development.
- **LIVE - Forecast.com**

CERTIFICATIONS

- Completed the **Full Stack Web Development Bootcamp** on Udemy, acquiring hands-on expertise in **Frontend** and **Backend development**, including the creation of full-stack applications with **responsive designs** and **RESTful APIs**.
- Earned a certificate in **MERN Stack Development** from Simplar Academy, specializing in **MongoDB, Express.js, React.js** and **RESTful APIs** to develop dynamic full-stack applications.

EDUCATION

NGM College

M.Sc. Computer Science

Pollachi, TN

Oct 2020 – May 2022

NGM College

Bachelor of Computer Applications

Pollachi, TN

Jun 2017 – May 2020