

CHAMOTH ASHEN RANASINGHA

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Objective

I seek to improve my team working skills and get hands on working experience in a really challenging environment. I am eager to use my knowledge and learn new skills to contribute to your company growth.

Technical Skills

- | | | |
|----------|---------------|----------------|
| • Java | • Git | • CSS |
| • Nodejs | • Java Script | • Tailwind CSS |
| • React | • HTML | • MERN Stack |

Projects

Web based system for Vehicle Service Management System

IT Project

A dynamic and secure platform for managing vehicle services, showcasing expertise in modern web development.

Role: Full Stack Developer

- Backend: Built with *Node.js* and *Express* to create RESTful APIs for handling service bookings, emergency requests, user data, and payment management. Designed scalable and secure endpoints to ensure efficient service operation.
- Frontend: Developed a *responsive and user-friendly interface* using *React.js*, ensuring seamless experience for service scheduling, emergency management, and payment processing.
- Database: Designed and managed a *MongoDB* database to store user data, service history, payment records, and emergency requests, ensuring high scalability and efficient querying.
- Image Upload: Integrated Firebase Storage for secure vehicle image uploads with real-time progress feedback and seamless retrieval using Firebase SDK.
- Notifications: Integrated *email and SMS alerts* to notify users about service bookings, reminders, and emergency responses, enhancing user engagement and reliability.
- Payment System:
 - Integrated Stripe API for secure online transactions, ensuring compliance with PCI standards.
 - Automated invoice generation in PDF format using Node.js libraries for professional documentation.
 - Added logic to process refunds for canceled or incomplete services.

Supplement Store Application | [View Website](#)

Personal Project

A dynamic and secure e-commerce platform for supplements, showcasing modern web development expertise.

Role: Full Stack Developer

- Backend: Built with *Node.js* and *Express* to create RESTful APIs for handling product data, user authentication, and order management.
- Frontend: Developed a responsive and user-friendly interface using *React.js*, ensuring engaging user experience.
- Authentication:
 - Implemented *JWT (JSON Web Token)* for secure user authentication and authorization.
 - Integrated *Google Authentication* to allow users to log in with their Google accounts for convenience.
- State Management: Utilized *Redux Toolkit* for efficient state management, ensuring smooth data flow and minimal re-renders.
- Database: Utilized *MongoDB* for managing user, product, and order data, ensuring high scalability.
- Image Upload: Integrated Firebase Storage for secure product image uploads with real-time progress feedback and seamless retrieval via Firebase SDK.
- Deployment: Deployed the application using *Render*, ensuring reliable accessibility.

- Testing: Incorporated *Postman* for API testing and *Jest* for unit tests to ensure application reliability.

Web based system for Online Event Planning System

OOP Project

- Java, Bootstrap, MySQL Workbench
- This system is mainly based on 4 functions as Event, Reservation, Profile and Venue Management.

3D Animated Portfolio Website | [View Website](#)

Personal Project

- React, HTML, CSS
- This system is used to showcase my projects, skills, and achievements.

Weather App

Personal Project

- API Integration, React
- This app provides accurate weather forecasts for any location

Education

BSc (Hons) in Information Technology Specializing in Information Technology (Reading)

- Sri Lanka Institute of Information Technology (SLIIT)

GCE A/L (2019) - Technology Stream

- Eheliyagoda Central Colleges

GCE O/L (2016)

- Eheliyagoda Central College

Extra-Curricular Activities

- Member of School Prefect Board (2014 – 2016)
- Participated and Won the Places of Athletic Games (2012 – 2016)

Courses & Certifications

- Java (Basic) – HackerRank
- Problem Solving (Basic) – HackerRank
- JavaScript Application Programming - Alison
- Java for Beginners - Alison
- Google Cloud Computing Foundation – Alison
- Getting Started with ReactJS Components - simplilearn
- React.js Essential Training – LinkedIn

Referees

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