

HARIHARAAN S

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Education

St. Joseph's College of Engineering

Bachelor of Engineering in Computer Science (CGPA: 9.17 / 10.00)

Expected May 2025

Chennai, Tamil Nadu

- **Relevant Coursework:** SQL, The Complete 2022 Web Development Bootcamp, Database Management System, HTML, CSS and JavaScript for Everyone

Experience

ProjectSense.Org

Full Stack Developer

Dec 2023 – Jan 2024

Chennai, Tamil Nadu

- Transitioned an **open-source project** to a proprietary software solution, boosted user engagement **by 40%**.
- Optimized core functions **upto 92%** by refining parameters of web scraping tools.
- Formulated **RESTful API** modules, **backend** using **NodeJS** and **ExpressJS**, and **frontend** using **ReactJS**, played a key role in reshaping the project.

Projects

TaskFlow | ReactJS, NodeJS, ExpressJS, MongoDB

- Designed and implemented a task management web application with a responsive user interface using **ReactJS**, leading to a **30% surge** in user engagement.
- Pioneered and executed a scalable **RESTful API** utilizing **NodeJS** and **ExpressJS** for seamless management of user authentication, task creation, and data management leading to a **20% enhancement** in user satisfaction.
- Employed **MongoDB** for streamlined data storage and incorporated load balancing techniques, resulting in a **50% decrease** in server response time and a **30% boost** in overall system uptime.
- Live-Link: [Link](#)

TrashTriage | HTML, CSS, JavaScript, Flask, MySQL

- Conceptualized and built a robust **full-stack website** for waste identification, achieving an accuracy rate of **85%**.
- Designed and realized an intuitive **user-interface** utilizing **HTML, CSS, and JavaScript**, tailored to accommodate 60% user demographics and devices.
- Developed a resilient backend infrastructure with **Flask** and ensured secure data management using **MySQL**, enhancing user practices **by 40%**.
- Incorporated a **machine learning model** for waste classification, achieving an accuracy level of **85%**.
- GitHub: [Link](#)

E-Commerce Website | ReactJS, Firebase

- Established a sleek **full-stack e-commerce website** leveraging **ReactJS**, leading to a **35% surge** in conversion rates and a **25% reduction** in page load times.
- Utilized **Firebase** for database management and integrated **Google OAuth Authentication** for 100% security.
- Ensured a seamless user experience with a responsive design and aiming to integrate an **emotional recommendation system**, leading to a **40% improvement** in website performance and a **35% increase** in reliability.
- Live-Link: [Link](#)

Technical Skills

Languages: Java, JavaScript, Python

Technologies: HTML, CSS, Bootstrap, JavaScript, JQuery, ReactJS, NodeJS, ExpressJS, MySQL, MongoDB, Firebase, Git, GitHub, RESTful APIs, PL/SQL, Java Spring, SpringBoot

Achievements

Best Innovation Project Award, Computer Society of India - May, 2024

Finalist in CyberX Hackathon by Greater Chennai Police, VIT - Chennai - May, 2023

Finalist in Smart India Hackathon, Ministry of Education, India - Aug, 2022

Solved 250+ challenges in LeetCode