

# HARIHARAAN S

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## Education

### St. Joseph's College of Engineering

May 2025

Bachelor of Engineering in Computer Science (CGPA: 9.13 / 10.00)

Chennai, Tamil Nadu

- **Relevant Coursework:** AWS Certified Cloud Practitioner(CLF-C02), The Complete 2022 Web Development Bootcamp, Database Management System, HTML, CSS and JavaScript for Everyone

## Experience

### Accenture

Feb 2025 – Present

Internship - App Developer

Chennai, Tamil Nadu

- Trained in foundational concepts of Software Development Life Cycle (SDLC), web development technologies, and cloud computing platforms.
- Assigned to live project tasks involving feature development, bug fixing, and code reviews within an agile team environment.

### ProjectSense.Org

Dec 2023 – Jan 2024

Internship - Full Stack Developer

Chennai, Tamil Nadu

- Transitioned an **open-source project** to a proprietary software solution, boosted user engagement **by 40%**.
- Formulated **RESTful API** modules, **backend** using **NodeJS** and **ExpressJS**, and **frontend** using **ReactJS**, played a key role in reshaping the project.

## Projects

### Leaf Detection and Classification System | Python, PyTorch, Flask

- Engineered an end-to-end leaf detection and classification system using Faster R-CNN and ResNet50, enabling automated analysis of 30 leaf species from complex multi-leaf images.
- Achieved **92.4%** classification accuracy and **88.7% mAP** in detection by training on a custom dataset of **7,125 images** (multi-class, multi-object).
- Reduced manual inspection time by over **60%** and improved detection reliability in varied lighting and occlusion scenarios through robust model fine-tuning. Github: [Link](#)

### TrashTriage | HTML, CSS, JavaScript, Flask, MySQL

- Conceptualized and built a robust **full-stack website** for waste identification, achieving an accuracy rate of **85%**.
- 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

**Front End:** HTML, CSS, Bootstrap, JavaScript, JQuery, ReactJS **Back End:** NodeJS, ExpressJS, Flask **Database:** MySQL, MongoDB, Firebase **Cloud Technology:** AWS **Other Technologies:** Git, GitHub, RESTful APIs, Docker

## Achievements

Finalist in Smart India Hackathon, Gujarat Government - Dec, 2024

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