

# Vaaheesan S

Aspiring Software Engineer — Full-Stack Developer (React.js, Django, MERN)

📍 Chennai 📞 +91-9499941994 ✉️ [vaahee21@gmail](mailto:vaahee21@gmail.com)  
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## Professional Summary

Full-stack Developer and Engineering student experienced in **Next.js**, **React**, **Django REST**, **Node.js**, and **MongoDB**. Skilled in building scalable web apps, designing REST APIs, and deploying to cloud platforms. Passionate about clean architecture, problem-solving, and emerging fields like IoT and computer vision.

## Professional Experience

### Frontend Developer Intern – Izeon Innovative Pvt. Ltd

Dec 2024 – Jan 2025

Developed a responsive e-commerce web app clone using **HTML**, **CSS**, and **JavaScript**, ensuring full mobile compatibility. Optimized assets and scripts, reducing load time by **35%**, and collaborated in an **Agile team** using **Git** to maintain a consistent cross-browser experience.

## Technical Skills

**Languages:** HTML, CSS, JavaScript, Python, Java, SQL

**Frameworks & Tools:** React.js, Next.js, Django REST, Node.js, Express.js, MongoDB, Git, Docker, AWS, VS Code, CI/CD

**Expertise:** Full-stack development, REST APIs, responsive UI, cloud deployment, IoT, and computer vision

## Projects

### Elevatr – Smart Job and Internship Portal 🐙 (Next.js, Tailwind CSS, Django REST, Supabase)

- Built a platform for students and recruiters with **authentication**, **resume uploads**, and **job listings**.
- Overcame **API integration issues** between Django REST and Next.js during deployment on Vercel and Render.

### Spendly – Personal Expense Tracker 🐙 (React.js, Chart.js, Node.js, Express.js, MongoDB Atlas)

- Developed a full-stack expense tracker with **analytics** and **chart visualizations** for personal budgeting.
- Overcame **backend-to-database connection issues** and optimized MongoDB queries for speed.

### Car Lane Detection System 🐙 (Python, OpenCV)

- Implemented real-time lane detection using **Canny edge detection** and **Hough Transform**.
- Overcame **false-positive detections** by refining ROI masking and slope averaging algorithms.

### Arya Productions – Static Website 🐙 🌐 (HTML, CSS, JavaScript)

- Designed and deployed a responsive company website with **About**, **Products**, and **Contact sections**.
- Overcame **design scalability issues** by optimizing responsive breakpoints and CSS structure.

## Achievements

- **MindSync+ – MSME Hackathon 5.0:** Founder project proposing an **AI-powered multilingual mental health platform**.
- **2<sup>nd</sup> Place – App Development, VEC (Apr 2025):** Alumni Student Connect App.
- **4<sup>th</sup> Place – Python Symposium, Sai Ram Engg. College:** Problem-solving competition.
- **Finalist – Figma UI/UX Challenge, Amrita College:** Created user-friendly design prototypes.

## Education

- **B.E. Computer Science and Engineering [2023 – 2027]**  
Velammal Engineering College, Chennai — CGPA: **8.41** (Till 4th semester)
- **AISSCE [2022–2023] & AISSE [2021–2022]**  
Velammal Vidhyashram, Surapet — 12th: **68.6%**, 10th: **81%**

## Interests & Certifications

### Certifications

- **NPTEL** – Programming in Java (Jan–Apr 2025)
- **Udemy** – Complete Python Course (Dec 2024)
- **Udemy** – 100 Days of Code: Python Bootcamp (Dec 2024)
- **NPTEL** – Programming in Modern C++ (Jul–Oct 2024)
- **NPTEL** – Introduction to IoT (Jul–Oct 2024)

### Interests

- **Technology:** Competitive coding, full-stack projects
- **Creativity:** UI sketching, drawing, portfolio design
- **Languages:** Japanese & German (**7K+ XP on Duolingo**)
- **Sports:** Badminton, Cricket, Formula 1