

EXPERIENCE

Full Stack Intern (RecurGrow)

(May 2025 - Present)

- Developed and integrated APIs with backend systems for AI-powered sales outreach automation.
- Implemented caching with SWR to reduce redundant API calls, cutting backend load by 60% and boosting performance.
- Built a POC for pixel-based email tracking using Flask to monitor open rates and enhance campaign analytics.
- Designed PPT automation pipelines with dynamic content injection and performed backend API testing using pytest.
- Managed CI/CD workflows and deployments on AWS EC2 using GitHub Actions.

Software Developer Intern (The Yellow Network)

(Feb 2025 - April 2025)

- Collaborated with founders and consultants to develop an application (PaaS), aligning business requirements.
- Integrated RESTful APIs with Django and PostgreSQL, and ensuring seamless backend operations.
- Added 3+ new features, including dynamic updates and filtering, aligning with founder-driven requirements.
- Involved in manual testing, identifying 30+ bugs and contributing to bug tracking and resolution, improving platform stability. Implemented unit testing with Jest to enhance code reliability and maintainability.

IOT Squad Lead (GCT IEEE SB - 81571)

(Feb 2024 - Feb 2025)

- Leading a team of 10+ members in developing a IoT based Smart orthotic device for real-time gait analysis.
- Deploying applications in AWS ECS Fargate, ensuring scalable, reliable, and secure cloud infrastructure.
- Designed and developed a Flask-based backend integrated with socket.io for real-time communication between the device and cloud dashboard, enabling instantaneous gait data streaming and analysis.

PROJECTS

IoT based Bee Hive Monitoring | [Github](#)

(Feb 2025 - April 2025)

- Developed the software components of AI-driven IoT-based Beehive Monitoring System, integrating MQTT for real-time sensor data transmission and storing insights in a PostgreSQL database via a Flask backend and Next.js frontend.
- Published the project as journal in NCRTST'25 conference on the topic "AI-Driven IoT system for smart beehive monitoring and predictive health management", ISBN : 978-93-342-1891-6 ([view](#))

Fleet Management using IoT | [Presentation](#)

(Sept 2024 - Dec 2024)

- An IoT-based data acquisition from trucks with Controller, HiveMQ server, Node.js, and React.js. Built the dashboard which included google maps api, and weather api.
- Real-time data communication through socket.io and provide 6+ essential parameters. It includes load, live location, direction to the destination, weather in the current location provides useful insights to the workers in logistics.

EDUCATION

Government College of Technology, Coimbatore

(2021 - 2025)

B.E.Electronics and Instrumentation Engineering - CGPA: 8.04

TECHNICAL SKILLS

Web Development : React.js, Next.js, Flask, Node.js, Express.js, Tailwind.

Cloud : Amazon Web Service (EC2, ECS, S3 bucket).

Programming : Python, Javascript, C, C++.

Database: Postgresql, MongoDB

Version Control : Git, Github.

Testing : Postman, JEST, pyTest.

Containerization : Docker

CERTIFICATES AND BADGES

- AWS Storage, Networking, Compute and Database - AWS Educate | [View Badges](#)
- Docker for Beginners, Hands on - KodeKloud | [View Certificate](#)
- Foundations of Cybersecurity - Coursera | [View Certificate](#)
- Introduction to TCP/IP - Coursera | [View Certificate](#)

SOFT SKILLS

Leadership, Adaptable, Team work, Communication

AREA OF INTERESTS

Software Development, and Cloud Computing.