

Tarun Manoharan

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Education

Sri Krishna College of Technology

Bachelor of Engineering in Computer Science

Coimbatore, TN

Oct 2022 – May 2026

CGPA: 8.46/10

Relevant Coursework: Cloud Computing, Network Security, Data Structures & Algorithms, Database Management

Professional Experience

House of Couton Private Limited

Software Developer Intern

Dec 2024 – Mar 2025

Lucknow, UP (Remote)

- Developed responsive Next.js frontend applications with modern UI/UX principles.
- Collaborated with DevOps engineers to establish CI/CD pipelines using Vercel deployments and automated testing workflows.
- Gained hands-on experience in cloud deployment workflows and implementing DevOps best practices.

Madrocket Technologies (IQnaut)

Frontend Developer Intern

Aug 2024 – Nov 2024

Bengaluru, KA (Remote)

- Built and maintained B2B Education SaaS platform serving 100+ users with optimized performance and accessibility.
- Executed real-time monitoring dashboards using ReactJs, achieving 90% system uptime.
- Collaborated with DevOps engineers to automate deployment processes and maintain production systems, reducing deployment time through continuous integration workflows.

Innovative Projects

Limoni - Speed Tracking System

Real-time Frontend Dashboard & Monitoring System

Dec 2024

- **Winner - Smart India Hackathon 2024:** Developed responsive React.js dashboard handling **30+ concurrent regions** with real-time data visualization and **78.7% tracking accuracy**.
- Deployed automated deployment pipelines and monitoring systems, achieving **60% reduction in system downtime** through DevOps practices.

InvenPulse - Inventory Management System

Full-Stack Web Application

Jul 2024

- Developed comprehensive frontend interface using **Next.js** with responsive design and interactive dashboards.
- Engineered predictive analytics visualization components with dynamic charts and real-time updates, reducing stock-out incidents through intuitive data presentation.

CuliFlow - Food Waste Analytics Platform

Frontend Analytics Dashboard

Oct 2024

- Built interactive React.js analytics dashboard with **real-time data visualization, responsive charts, and automated reporting interface** for food waste management in metropolitan cities.
- Developed user-friendly survey collection interfaces and feedback systems, incorporating **weather data visualization, demographic analytics, and competitor comparison** features.

Technical Expertise

Programming Languages: Java, C++ ,Python (Basic)

Frontend Development: React.js, Next.js, TailwindCSS

Backend & Database: RESTful APIs, Node.js, MySQL, MongoDB (Basic), SpringBoot Integration

DevOps & Cloud Tools: Git, GitHub Actions, AWS (EC2, S3), Docker, Jenkins (Basic),CI/CD Pipelines

Achievements & Recognition

- Smart India Hackathon 2024 Winner (Software Edition)
- Runner-Up: Bit n Build International Hackathon, Tamil Nadu Regionals
- ICT Youth Talk 2023 Regionalist

Certifications

- [AWS Cloud Technology Consultant](#)
- [NPTEL Cloud Computing](#)
- [Google Project Management](#)