

Roopa Dharshini

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[LinkedIn](#)

[GitHub](#)

[Open Source](#)

[Portfolio](#)

Summary

Equipped with a diverse technical skill set and a passion for tackling complex challenges, poised to contribute to the solutions, scalable software systems, and impactful projects to the society.

Education

SRM Institute of Science and Technology, Chennai, Tamil Nadu

Expected: June 2025

B.Tech, Computer Science and Engineering

CGPA: 9.86

- **Relevant Coursework:** Data Structure and Algorithms, Design and Analysis of Algorithm, Operating System, Computer Networks, Object-Oriented Design and Programming, Compiler Design, Database Management System
- **Awards & Honors:** First Graduate, Merit Scholar, Winner of the Codeathon

JaiGopal Garodia Government Girls Hr.Sec School, Chennai, Tamil Nadu

2018 – 2021

Grades: X (Percent: 93.8), XII (Percent: 94.5)

Internships

[Technical Content Writer Intern](#), Guvi

Chennai, Feb 2025-present

- Developing and publishing SEO-optimized blog content for Guvi's paid and Zen class courses to increase organic traffic and **lead generation by 90%**.
- Contributing with organic marketing team to create engaging technical blogs on data science, data engineering, full-stack development, and ChatGPT with **80-90 SEO scores**.

[AI Intern](#), Infosys Springboard

Remote, Nov 2024 - Jan 2025

- Developed an anomaly detection system for identifying wash trading from ERC20 Token and achieved accuracy **above 90%**.
- **Agile methodology** has been used to connect with team members with different backgrounds from all over India through scrum meetings.
- Daily sessions had been conducted by the mentors to fill the knowledge gap among the team members.

[Student Intern](#), Future Ready Talent (Sponsored by Microsoft)

Virtual, Feb-May 2023

- Achieved 80% of the internship focused on **Azure** for developers, attaining extensive knowledge and practice experience with Azure services and developed a project named **Cyber Nexus** obtaining 90% success rate by using an Azure chatbot.

Key Projects

[SheAlert](#)

Mar 2025

- Created an **AI-powered virtual assistant**, achieving a simulated 87% accuracy in detecting distress through voice analysis using **XLM-RoBERTa** open-source model and sharing live location to emergency contacts for tracking.
- Implemented mobile application using React Native for cross platform integration and accessed generative AI models using REST API and open-source models from **Hugging Face**.
- Supporting multi-language voice detection and distress analysis with the help of **OpenAI Whisper** open-source model.

[NPM Starter Command](#)

Apr 2024

- Build and launched an npm starter command, **npx create-front-end-app-html**, which streamlines front-end app template creation with HTML, CSS, and JavaScript.
- Designed and implemented a scalable architecture to handle **400+** downloads in the first week of deployment and comprehensive error handling.
- Enhanced the starter command's usability through rigorous testing, resulting in a **35% reduction** in setup errors reported by users.

Achievements

- Awarded the **"Best Paper Award"** for my research paper at the ICTACS-2024 conference, Online, (Oct 2024)
- Being a core community member at **SHECODES** community, Guvi(2024)
- Selected as an open-source **project admin** at Vinyasa Summer of Code for the project Open-Source Galaxy, VSoC (2024)
- Successfully solved open-source issues and scored **160 points** in GirlsScript Summer of Code, GSSoC, (May 2024)
- Reached **400+ downloads** in the first week of deploying my own npm starter command, Npm, (Apr 2024)
- Won **'All in Open-Source Hackathon'** by MLH for the **'Best use of Auth0'**, Virtual, (Mar 2024)
- Championed Codeathon at **AURGANON '23**, a National Level Symposium, SRM (2023)

Certifications: GitHub Foundations ([GitHub](#)), OCI Generative AI Certified Professional ([Oracle](#)), Azure AI Fundamentals ([AI-900](#)), Azure Data Fundamentals ([DP-900](#)), IT Automation with Python ([Google](#))

Technical Skills: MERN (JavaScript, React, HTML, CSS, MongoDB, RestAPI, Node, Express), Linux, Firebase, REST API, C, Java, Python, MySQL, Git, GitHub, GitHub Actions, Generative AI, Hugging Face, RAG, Design Principles, System Design

Others: [LeetCode](#), [HackerRank](#), [CodeChef](#), [Google Cloud](#), [Microsoft Azure](#), [HashNode](#), [GeeksforGeeks](#)