Roopa Dharshini

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Summary

Equipped with a diverse technical skill set including the trending skills 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

[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

[AI Review Generator](#) *July 2025*

- Built an AI review generator using **Gemini 2.0 Flash** model that takes feedback data in the form of ratings and convert them into a proper review in English.
- Achieved **90% accuracy** in transforming structured feedback into meaningful reviews, with **over 90% precision** in capturing core sentiment and details.

[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](#)