

# Hariharan R

Coimbatore, Tamil Nadu, India | +91 9786929369 | [hariharan.rwork@gmail.com](mailto:hariharan.rwork@gmail.com)

[linkedin.com/in/hariharan-r06](https://www.linkedin.com/in/hariharan-r06) | [github.com/hariharan-r06](https://github.com/hariharan-r06) | <https://www.hariharanr.me/>

## PROFESSIONAL SUMMARY

I am a pre-final-year B.Tech Information Technology student specializing in Java-based backend and full-stack development, with practical experience in building end-to-end solutions through real-world projects and internships. I continuously improve my technical skills and actively strengthen my problem-solving abilities and Data Structures & Algorithms through regular practice on coding platforms.

## EDUCATION

<b>B.Tech in Information Technology</b>	2023 – Present
Sri Ramakrishna Engineering College, Coimbatore	
CGPA: 7.56 / 10 (till 6th semester)	

## TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, C, Python
- **Frontend Technologies:** React.js, Bootstrap, HTML, CSS, Tailwind CSS
- **Backend Technologies:** Spring Boot (JPA, REST), Node.js
- **Databases:** MySQL, MongoDB
- **Tools & IDE:** Git/GitHub, Docker (basic), Postman, Firebase, VS Code, Eclipse
- **Core Competencies:** Data Structures & Algorithms, OOPs, Problem Solving

## PROJECTS

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|---|-------------------|
| <b>TraceCode – Secure Multi-Language Code Execution &amp; Debugging Platform</b>  | Ongoing           |
| <ul style="list-style-type: none"><li>• Building a full-stack coding platform enabling users to write, run, and debug code using an integrated Monaco Editor.</li><li>• Implementing secure authentication and planning role-based access for individual and campus-level learning environments.</li><li>• Integrating AI-powered error explanations to improve debugging efficiency and learning outcomes.</li></ul> |                   |
| <b>Digital Vehicle Access Control &amp; Monitoring System( Intern )</b>   | Dec '25           |
| <ul style="list-style-type: none"><li>• Developed a real-time vehicle entry-exit and billing system using React.js and Spring Boot.</li><li>• Implemented dashboards and REST APIs for live monitoring and automated hourly charge calculation.</li></ul>   |                   |
| <b>CharityConnect – Charity Community Platform [ <a href="#">Github</a> ]</b>   | Dec '24 – Feb '25 |
| <ul style="list-style-type: none"><li>• Built a MERN-based platform connecting donors with verified NGOs, including secure login using JWT.</li><li>• Implemented messaging, NGO verification, and recommendation features for better user engagement.</li></ul>  |                   |

## HACKATHONS

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### Hackathon Participant

#### Resume Evaluation and Rejection Analysis System

Mar '25

- Developed a hackathon prototype for an AI-based HR Resume Analyzer that evaluates resumes against job requirements and identifies suitability for a role.
- Designed a feedback system to explain resume rejection reasons (skill gaps, experience mismatch, missing keywords), helping candidates understand and improve their resumes.

### Hackathon Participant

#### AI-Based Cattle Breed & Health Assessment System (SIH Project)

Aug '25 – Sep '25

- Trained and optimized MobileNet-based CNN models on Indian cattle and buffalo breed datasets for real-time image classification.
- Implemented image preprocessing, quality filtering, and model deployment pipeline for low-resource rural environments.

## INTERNSHIP EXPERIENCE

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### Techvolt Software Pvt Ltd – Full Stack Development Intern

Dec '25

- Worked on a full-stack web application using React.js and Spring Boot.
- Assisted in backend API development, debugging, and feature implementation.
- Collaborated with team members using GitHub for version control and code reviews.

## CERTIFICATIONS

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All Certificates: [ [Google Drive Link](#) ]

- Introduction to Industry 4.0 and Industrial Internet of Things – NPTEL
- Snowpro associate: platform – **Snowflake (Global Certificate )**
- MongoDB Basics for Students Training – **12 Skill Badges by MongoDB**
- Postman API Fundamentals Student Expert – **Postman**
- Rising Star - Technical – **Celonis**
- Java Programming – **Infosys Springboard**

## CODING PLATFORMS

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- **LeetCode:** 100+ problems solved (Java) [ [Profile](#) ]
- **HackerRank:** Problem Solving & Java [ [Profile](#) ]
- **SkillRack** [ [Profile](#) ]

## EXTRA-CURRICULAR ACTIVITIES

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- Active member of NSS (National Service Scheme)

## LANGUAGES

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- English: Proficient
- Tamil: Native