

# Harsha Dattatreya Hegde

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## PROFESSIONAL SUMMARY

B.Tech CSE student (2023–2027) with hands-on experience in full-stack and backend development. Skilled in MERN stack, RESTful APIs, relational databases, and open-source collaboration. Strong foundation in Data Structures and Algorithms with a focus on scalable and maintainable software systems.

## EDUCATION

<b>Sahyadri College of Engineering and Management, Mangalore</b> Bachelor of Engineering in Computer Science	<b>2023 – Present</b> <b>CGPA: 9.14</b>
<b>Hanumant Benne PU College, Kumta</b> Pre-University Course (PCMB)	<b>2021 – 2023</b> <b>93.83%</b>

## TECHNICAL SKILLS

<b>Languages:</b>	JavaScript, TypeScript, Java, Python
<b>Frontend:</b>	HTML5, CSS, Tailwind CSS, React.js
<b>Backend:</b>	Node.js, Express.js
<b>Databases:</b>	MongoDB, MySQL
<b>AI &amp; APIs:</b>	LangChain, REST APIs, API Integration
<b>Tools:</b>	Git, GitHub, Postman
<b>Core:</b>	Data Structures and Algorithms, API Testing

## PROJECTS

- **Chat Web Application** – Developed a real-time chat system with authentication, one-to-one messaging, and online user presence using WebSockets. Built scalable backend APIs and responsive UI. *Tech: MERN Stack, Socket.IO*
- **AI Resume Analyzer** – Built an AI-driven platform to analyze resumes against job descriptions and generate structured feedback with relevance scoring using LLM-based processing. *Tech: React.js, Tailwind CSS, Node.js, Express.js, LangChain, Ollama model*
- **Doubt It** – Academic doubt-solving platform for college students enabling structured doubt posting and resolution. Used a relational database to maintain strong entity relationships. *Tech: React.js, Tailwind CSS, Node.js, Express.js, MySQL*

## OPEN SOURCE CONTRIBUTIONS

- **Open Source Connect India 2025** – Contributor to community-driven open-source projects.
- **GirlScript Summer of Code 2025** – Contributor to multiple global open-source repositories.
- **Key Contributions:**
  - **ChatterSpace** – Implemented navigation flow and full-stack logout.
  - **FARMLOC** – Added Back-to-Home navigation to authentication pages.
  - **InfantCare** – Integrated AI chatbot using Google Gemini model for parenting assistance.

## CERTIFICATIONS

- **Postman API Student Expert** – Postman