

Trisha Raghunatha

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Bangalore, Karnataka-560094

INTRODUCTION

Enthusiastic and highly motivated Information Science Engineering student with a strong foundation in programming, data structures, and software development. Passionate about technology and innovation, with hands-on experience in coding, web development, and database management. Skilled in problem-solving, team collaboration, and building efficient software solutions. Proficient in Java, C, C++, Python, HTML, CSS, JavaScript, and MySQL, with a keen interest in algorithms, system design, and full-stack development. Adept at using tools and platforms such as Git, VS Code, and online coding judges for continuous learning and project development. Eager to leverage my skills in a dynamic tech environment to contribute to impactful and forward-thinking projects.

EDUCATION

JSS Academy of Technical Education - Bangalore, Karnataka Bachelor Of Engineering, Information Science and Engineering CGPA: 9.1 [Pursuing-July 2026]	2022 - 2026
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Expert Pre-University College - Mangalore, Karnataka Percentage: 91.8%	2020 – 2022
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Vivekananda Orchids-The International School - Bangalore, Karnataka Percentage: 89.92% [ICSE Board]	2020
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SKILLS

- **Languages:** Java, C, C++, Python
- **Front-End Technologies:** HTML, CSS, JavaScript
- **Database Management System:** MySQL
- **Data Visualisation:** Power BI, Tableau
- **Documentation & Typesetting:** LaTeX
- **DSA:** Solving problems on various coding platforms.

PROJECTS

- **Emotion Detection via Text and Audio**
Developed a Convolutional Neural Network (CNN) using Python, TensorFlow, and PyTorch to classify emotions such as joy, sadness, anger, and fear. Integrated Hugging Face's transformers library and designed a user-friendly UI with HTML/CSS and Flask for seamless interaction.
- **Sign Language Translation for Inclusive Communication (ONGOING)**
Building a real-time Sign Language Translator using Python, OpenCV, and deep learning to recognize alphabets, numbers, and words, with ongoing integration of multilingual translation for inclusive communication.
- **Intrusion Detection System using Machine Learning and Real-Time Packet Analysis (ONGOING)**
Developed a Convolutional Neural Network (CNN) using Python, TensorFlow, and PyTorch to classify emotions such as joy, sadness, anger, and fear. Integrated Hugging Face's transformers library and designed a user-friendly UI with HTML/CSS and Flask for seamless interaction.

COURSES

- Data Structure and Algorithms, Infosys Springboard
- Networking Basics, CISCO Networking Academy
- Introduction to Modern AI, CISCO Networking Academy
- Google AI Essentials, Coursera
- Google Cloud Fundamentals: Core Infrastructure, Coursera
- Navigating Generative AI: A CEO Playbook, Coursera
- Responsive Web Design, University of London- Coursera

EXTRA CURRICULAR ACTIVITIES

- **Junior Core Committee, JSSATE-B Techno cultural Fest (2025-Present)**
Contributed to the planning and execution of Bangalore's largest techno-cultural fest by supporting logistics and team coordination, with a strong focus on sponsorship outreach, proposal drafting, and brand engagement.
- **Hustler, Under25 (2024)**
Worked as an intern for the Under 25 Summit 2024, contributing to event execution, speaker coordination, and branded communications. Played a key role in marketing, social media, and production for a festival attended by 20,000+ students.
- **Student Crew, Zer01 by Zerodha (2024)**
Assisted as a Student Crew member at Zer01 by Zerodha, supporting event logistics, coordination, and participant engagement. Contributed to the successful execution of workshops and sessions for aspiring traders and entrepreneurs.

LANGUAGE PROFICIENCY

English
Kannada
Hindi