

# R Sanjana

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## PROFESSIONAL SUMMARY

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Motivated Computer Science student with a strong foundation in Python programming. Passionate about building efficient solutions using technology and continuously learning new tools. Skilled in teamwork, problem-solving, and applying coding knowledge to real-world projects.

## EDUCATION

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### B.E in Computer Science and Engineering

Ballari Institute of Technology and Management

*Nov 2022 – Expected May 2026*

CGPA: 9.30 (till 6th sem)

### Pre-University

Bellary Independent PU College

*Jan 2021 – May 2022*

Percentage: 94.5%

### Secondary Examination

SMT Raju Bai T G High School

*June 2019 – Aug 2020*

Percentage: 94.08%

## TECHNICAL SKILLS

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**Programming :** Python

**Databases** MySQL

**Web Technologies:** HTML, CSS, JavaScript

**CS Fundamentals:** Operating Systems, Computer Networks, DBMS, OOPS

## PROJECTS

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### Cradle Care – Intelligent Infant Monitoring System

**Technologies:** Python, OpenCV, TensorFlow, YOLO, Librosa, Mailgun API

- Designed an AI-powered system to detect infant distress via video and audio using CNN and YOLO.
- Implemented automated alerts and real-time performance.

### Quick-Chat – Real-Time Chat Application

**Technologies:** MongoDB, Express.js, React.js, Node.js, Socket.io

- Built a real-time chat application with secure authentication, online user tracking, and instant messaging using Socket.io.
- Implemented profile updates with Cloudinary image uploads and optimized UI/UX using React and Tailwind CSS.

### Real-Time Language Translator

**Technologies:** Google Translate , gTTS, SpeechRecognition

- Developed a language translator supporting both text and voice input with real-time audio output.
- Integrated speech-to-text, language selection, and audio playback features.

## ACHIEVEMENTS

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- Second runner-up in Hack B 23 (college hackathon).
- Winner at NAIN IDEOTHON 2.0 conducted at BITM.
- Winner at Paper Presentation and Declamation 2025 – Explorika.
- First runner-up at Ballari District Level Yuva Utsav Declamation and Science Mela (2024 and 2025).
- Winner at Karnataka State Level Yuva Utsav 2025-Science Category
- Secured 1 Lakh funding under the NAIN 2.0 scheme (Karnataka Startup Policy 2022–27).

## CERTIFICATIONS

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- Crash Course on Python – Google (Coursera)
- Python Basic – HackerRank
- EZTS - Python internship
- AWS Certified Cloud Practitioner – Amazon Web Services

## HOBBIES

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- Cooking, Listening to Music.