

Soma Karthikesh

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Profile Summary

To seek a challenging and responsible position in an esteemed organization, which would be rewarding in terms of learning experience and contribute to organizational and personal growth.

Education

St.Peter's Engineering College , B.Tech in Information Technology	2022 – 2026
• CGPA: 8.37/10.0	
• Coursework: OOPs, Database Management, Data Structures & Algorithms, Web Development	
Narayana Junior College , Intermediate	2020 – 2022
• Percentage: 79.9/100	
St.Patrick's High School , SSC	2019 – 2020
• CGPA: 9.2/10.0	

Internship Experience

Software Development Engineer Intern , Aratek Pvt. Ltd – Hyderabad, India	Sep 2025 – Present
• Developing a user-friendly Graphical User Interface (GUI) using Java to enhance product usability and performance.	
• Coordinated effectively with cross-functional teams to meet tight project deadlines and deliver key product modules.	
Operation Software Tester , Go Eleventh Mile Technologies – Hyderabad, India	Jun 2023 – Jul 2023
• Contributed to cross-functional coordination between testing and development teams	
• Collaborated with the unit testing team to identify and resolve glitches in the mobile application	

Projects

AI MediConnect	June 2024 – Present
• Built an AI-driven voice-based medical assistant using Python, Gradio, FFmpeg, and PortAudio for real time doctor patient interaction	
• Integrated Groq API for fast language model inference and ElevenLabs API for realistic voice generation	
• Tools Used: Python, Gradio, FFmpeg, PortAudio, Groq API, ElevenLabs, Pipenv	
Real-Time GPS TRACKER	Feb 2024 – Apr 2024
• Built an ultra-compact tracker with on-demand GPS for user-controlled tracking of items like keys or wallets	
• Tools Used (H/W): Arduino Uno, GPS Module (NEO-6M), Breadboard, Jumper Wires, USB Cable	
• Tools Used (S/W): Arduino IDE (v1.8+), TinyGPS++ Library	
Business Site	June 2024 – July 2024
• Developed a responsive tailoring site with booking, reviews, and mobile optimization (deployed on Vercel).	
• Tools Used: HTML, CSS, JavaScript, Vercel	
Word Puzzle Game	Mar 2024 – May 2024
• Built a responsive word puzzle game with letter shuffling, timer-based scoring, real-time feedback, and cross-device compatibility, optimized for fast performance	
• Tools Used: HTML, CSS, JavaScript	

Skills

Programming Languages: Java, C, C++, Python

Technical Skills: Operating System, Data Structures and Algorithms, Object Oriented Programming

Developing Tools/Platforms: Git, MySQL, Docker, Postman

Frameworks/Libraries: MERN Stack (MongoDB, Express.js, React.js, Node.js)

Certificates

- Cloud Computing Foundations certification issued by Google