SOMA KARTHIKESH

Hyderabad, India

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SUMMARY

Entry level Software Development Engineer with hands on experience in Java and full stack development. Strong foundation in object oriented programming, data structures, and building scalable, real world applications.

SKILLS

Programming Languages: Java, C, Python
Frameworks/Libraries: MERN Stack (MongoDB, Express.js, React.js, Node.js), Java Swing
Developer Tools: Git, MySQL, Docker
Technical Concepts: Data Structures & Algorithms, Object Oriented Programming, RESTful APIs, SDLC

EXPERIENCE

Software Development Engineer Intern   Sep 2025 – Nov 2025
Aratek Innovation Pvt. Ltd, Hyderabad

- Developed a Java Swing and AWT based GUI, improving usability and performance by 30%.
- Implemented MVC based UI components, increasing user interaction efficiency by 25%.
- Collaborated with cross-functional teams to deliver product modules within tight deadlines.

Operation Software Tester   Jun 2023 – Jul 2023
Go Eleventh Mile Technologies, Hyderabad

- Identified and resolved 15+ critical defects, reducing production issues by 35%.
- Supported QA validation processes, improving application stability and user satisfaction by 25%.

PROJECTS

AI MediConnect

- Built an AI voice based medical assistant for real time doctor patient interaction using Python, Gradio, FFmpeg, and PortAudio, achieving 95% speech recognition accuracy.
- Integrated Groq API for 2× faster inference (500ms latency) and ElevenLabs API for realistic voice synthesis, improving engagement by 40%.
- Streamlined deployment using Pipenv, reducing environment setup time by 50% and ensuring consistent builds.

Real Time GPS Tracker

- Designed a compact IoT based GPS tracker with on demand tracking, achieving 98% location accuracy.
- Implemented real time location updates every 5 seconds using Arduino Uno and NEO 6M GPS module.

Word Puzzle Game

- Built a responsive web based word puzzle game with interactive letter shuffling and timer based scoring.
- Applied responsive design principles to ensure smooth performance across multiple devices.

EDUCATION

B.Tech in Information Technology	2022 – 2026
St. Peter's Engineering College	CGPA: 8.39/10
Intermediate	2020 – 2022
Narayana Junior College	799/1000
SSC	2019 – 2020
St. Patrick's High School	CGPA: 9.2/10

CERTIFICATIONS

Cloud Computing Foundations – Google
Java Certification – DataFlair