SARSIKA SRI K

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OBJECTIVE

Aspiring Software Developer with strong foundations in Java, OOP, Spring Boot, and Full Stack Development. Passionate about building efficient and scalable software solutions and solving real-world problems. Seeking an entry-level Software Developer role to contribute, learn, and grow in a dynamic organization.

SKILLS

- **Programming Languages:** Java | JavaScript | HTML | CSS
- **Frameworks & Libraries:** Spring Boot | React.js | Flask
- **Backend Development:** REST APIs | JWT Authentication | Maven | Jsoup | Web Scraping
- **Databases:** MongoDB | SQL
- **Core Concepts:** OOP | Data Structures & Algorithms (DSA) | SDLC | Agile | Full Stack Development | Machine Learning | Progressive Web Apps (PWA)
- **Tools & Platforms:** Git | GitHub | Visual Studio Code
- **Cloud & Certifications:** Microsoft Azure Fundamentals (Certified) | Cloud Computing
- **Domain Knowledge:** Electrical & Electronics | IoT | Embedded Systems
- **Soft Skills:** Problem Solving | Team Collaboration | Analytical Thinking | Adaptability

EDUCATION

K. Ramakrishnan College Of Engineering 2022 – 2026
B.E. Electrical And Electronics Engineering CGPA: 8.74

Government Model Girls Higher Secondary School, Mannachanallur, Trichy 2021 – 2022
Higher Secondary School Certificate (HSC) 80.8%

St. Mary's High School, Pallividai, Trichy 2019 – 2020
Secondary School Leaving Certificate (SSLC) 80.5%

PROJECTS

TruthShield – AI-Powered Fake Content Detection Platform Dec 2025 – May 2026

- Developed a full-stack AI-powered platform using Java, Spring Boot, React.js, MongoDB, and Machine Learning to detect fake content, phishing links, and scam messages.
- Implemented 15+ features including REST APIs, JWT authentication, analytics dashboard, Chrome Extension, and real-time content verification, achieving ~95% detection accuracy.

Solar-Powered IoT-Based Robot for Railway Track Investigation with AI Assistance Nov 2025 – Mar 2026

- Developed a solar-powered IoT-based railway inspection robot using ESP8266, ESP32-CAM, and sensors for real-time obstacle detection and monitoring.
- Enabled autonomous navigation with AI-based detection and instant alert system, improving railway safety and reducing human intervention.

IoT-Based Smart Room Automation System for Energy Efficiency and Control Jan 2025 – Apr 2025

- Built a real-time IoT-based automation system to control appliances using sensor integration and low-latency response mechanisms.
- Improved energy efficiency by ~20% through optimized automation, monitoring, and performance tuning.

ACHIEVEMENTS

- Limca Book of Records – Achiever Certificate | Sep 2024
- IGEN Sustainable Supporter Award | Sep 2024
- First Prize – Technical Presentation | Aug 2024
- Guinness World Record Participation | May 2023
- Secured O Grade in core subjects with a top academic ranking for consistent excellence

CERTIFICATIONS

- Java Programming – PrepInsta | 19 Apr 2025
- Microsoft Azure Fundamentals – Microsoft | 24 Jan 2025
- Embedded IoT and Automation – Taras Systems and Solutions | 07 Apr 2025
- Cloud Computing – NPTEL | Jul – Oct 2024

ACTIVITIES

- March Past Team, College – Secured 2nd Place in the college-level March Past competition
- Active Member, IGEN – Participated in national events, social projects, and received the Sustainable Supporter Award (2024)
- Student Member, IEEE – Engaged in technical discussions and development activities