

Sachin Sundar S

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SUMMARY

Aspiring Full-Stack Developer with strong proficiency in Java and web technologies. Experienced in building practical, real-world projects with a focus on user experience and performance. Skilled in UI/UX design and with basic knowledgeable in AI/ML fundamentals, with a keen interest in integrating intelligent features into web applications.

EDUCATION

- **K.S.Rangasamy College of Technology, Tiruchengode** Tamil Nadu, IN
BE in Artificial Intelligence and Machine Learning; CGPA: 7.93 *August. 2022 – May. 2026*
- **Government Boys Higher Secondary School, Bhavani** Tamil Nadu, IN
HSC; Percentage: 79.3 *June. 2021 – May. 2022*
- **Government Boys Higher Secondary School, Komarapalayam** Tamil Nadu, IN
SSLC; Percentage: 74.4 *June. 2019 – May. 2020*

PROJECTS

- **Autonomous Search and Rescue Drone (December 2024 – January 2025):**
Built an autonomous drone to detect and locate missing individuals in disaster-affected areas using GPS and computer vision. Assembled and configured drone hardware for stable flight. Integrated GPS and onboard processing for autonomous navigation. Implemented real-time person detection using computer vision models and transmitted live GPS coordinates to rescue teams wirelessly. Evaluated system performance under various conditions to optimize reliability.
- **My Role in this Project:**
 - Assembled and configured the drone hardware for reliable autonomous flight.
 - Integrated a YOLO-based person detection model optimized for real-time edge inference.
 - Implemented GPS-based navigation and real-time location transmission to rescue teams.
- **TrendPulse – Real-Time Trending Product Discovery Platform (June 2025 – July 2025):**
Developed a real-time platform to help marketers, drop-shippers, and startups discover trending products across various sources. The system tracks product popularity, displays live trend graphs, and offers personalized recommendations. Built with a React.js frontend and a Java Spring Boot backend.
- **My Role in this Project:**
 - Designed and implemented the **frontend using React.js** with dynamic trend visualizations and product suggestion cards.
 - Developed the **backend REST API using Java Spring Boot** to handle data aggregation, filtering, and business logic.
 - Integrated **AI-based recommendation features** to provide personalized trending product suggestions.

CERTIFICATIONS

- **Professional Certifications:**
 - Microsoft UX Design
 - Getting Started with Git and GitHub
 - Senior Typewriting Certification in English (Distinction)

TECHNICAL SKILLS

- **Languages:** Java, HTML, CSS, JavaScript
- **Database:** SQL
- **Tools and Technologies:**
 - **Front-end Tools:** Bootstrap, Figma, Canva
 - **Data Analytics:** Tableau
 - **Automation Tools:** Git
- **Extra Skills:** AutoCAD, Problem Solving, Typewriting, Drone Assembling.