KARTHIKEYAN M

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PROFILE SUMMARY

Passionate and results-driven Information Technology student (B.Tech, 2022–2026) with strong knowledge in Core Java, Python, SQL, and Full Stack Web Development. Experienced in building projects such as Smart Farm X and Dual Communication System for the Deaf and Blind, with recognition including a Gold Shield award. Skilled in frontend & backend development, problem-solving, and teamwork.

SKILLS

- Programming Languages: Java, Python
- Web Development: HTML, CSS, Bootstrap, ReactJS, AngularJS, Servlet
- Frameworks: Spring Boot, Hibernate
- Databases: MySQL, MongoDB, PostgreSQL, SQL*Plus
- Tools & IDEs: Eclipse, VS Code, GitHub, Postman, Spyder, Anaconda, Cursor
- Other Skills: REST APIs, Full Stack Development, SDLC, Agile

CERTIFICATIONS

- Certified Training in Full Stack Web Development
- Trained in ReactJS and AngularJS (Frontend Web Technologies)
- Secured 1st Prize for “Dual Communication System” project at AKT College Symposium
- Participated in multiple inter-college technical symposiums

EDUCATION

Mahendra College of Engineering, Salem, Tamil Nadu
Bachelor of Technology (B.Tech) in Information Technology | CGPA: 7.75 / 10.00
(2022 – 2026)

PROJECTS

Smart Farm X
- Developed a sensor-based agriculture automation system for real-time monitoring.
- Built a full-stack web application with visualization dashboard.
- Improved productivity through automated irrigation and smart decision-making.

Dual Communication System for Deaf and Blind
- Designed inclusive solution with voice-to-text and Braille technologies.
- Enabled seamless communication for hearing and visually impaired users.
- Won Gold Shield (1st Prize) at AKT College Symposium.

Electromagnetic Pulse Detector
- Built a circuit-based detector for electromagnetic pulses (EMPs).
- Provided real-time alerts for device protection.
- Hands-on experience in embedded systems, circuit design, and microcontroller interfacing.