MANIKANDAN R

Udumalpet-TN, India | +91 9952350164 | manikandan19ees21@gmail.com
LinkedIn | GitHub | MyPortfolio | LeetCode

Summary

I am an Electrical and Electronics Engineering graduate with a strong interest in Information Technology and software development. Skilled in C++, Java, SQL, JDBC, Servlet, Hibernate, Spring Boot, HTML5, CSS3, and JavaScript, with hands-on experience in coding and building applications. Though from a non-IT background, I have consistently developed my programming knowledge through projects, certifications, and problem-solving practice. Passionate about transitioning into the software industry and eager to contribute my technical skills to innovative IT solutions.

Experience

Java-Full Stack Developer

Jspiders – Bangalore   *May 2025*

- Developed Java-based applications by applying OOPs principles, JDBC, Servlets, Hibernate, and Spring Boot for robust backend services.
- Designed and implemented responsive user interfaces using HTML5, CSS3, and JavaScript for interactive front-end development.

Projects

Animal Detection and Alert System Using Deep Learning

- Built a real-time animal detection system using YOLOv5, OpenCV, and TensorFlow/Keras.
- Integrated GSM/IoT modules to send instant alerts (SMS/notifications) to prevent crop damage and accidents.

Portfolio Website

- Developed a responsive personal portfolio website using HTML5,CSS3,JavaScript and Bootstrap.
- Implemented features like dark mode, smooth scrolling, mobile sidebar, and interactive animations.

GSM based switching operation of substation

- Designed a GSM-based system for remote monitoring and control of substations.
- Implemented SMS-based switching for efficient, safe, and reliable equipment operation.

IOT based theft detection identification in secured places

- Developed an IoT theft detection system using Arduino,sensors and Blynk IoT for live monitoring.
- Added GSM-based instant alerts to enhance security and quick response time.

Skills

Frontend Development	HTML5,CSS3,JavaScript,Bootstrap
Programming language	C++,Java,OOPs
Database	SQL
Tools & Technology	VS code,Git,Github,Spring Boot

Education

Bachelor of Engineering (B.E.) in Electrical and Electronics Engineering

Dr. Mahalingam College of Engineering and Technology, Pollachi, Tamilnadu   (2022 - 2025)
GPA:8.26

Diploma of Higher Education – Computer Science and Engineering

Nachimuthu Polytechnic College,Pollachi,Tamilnadu   (2019-2022)
GPA:9.45

Certifications & Achievements

- Flipkart Grid 5.0 – Software Development Track, *Flipkart*.   (2023)
- C++, SoloLearn.
- Solved 150+ coding problems on LeetCode to enhance DSA and algorithmic skills.

Extracurricular Activities & Leadership

- Participated in SGS and NSS camp activities, contributing to community development and social service initiatives.
- Served as an Executive Member of AVERA (Department Association), organizing events, workshops, and student activities to enhance peer learning and engagement.