

# MANIKANDAN R

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[LinkedIn](#) | [GitHub](#) | [LeetCode](#)

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## 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.

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## 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.

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## 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.

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## Skills

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

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## 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

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## 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.

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## 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.