

# MANIKANDAN R

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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, 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 Development

Jspider – Bangalore May 2025

- Developed and maintained web applications using **Java, Spring Boot, and Restful APIs** for backend services.
- Designed and optimized **database schemas** and performed queries using **SQL** for efficient data management.

## Projects

### GSM based switching operation of substation

- Technologies Used:** Arduino IDE, GSM Module, Microcontroller
- Developed a GSM-based system to remotely monitor and control substation operations.
- Implemented SMS-based switching for efficient and safe operation of electrical equipment.

### IOT based theft detection identification in secured places

- Developed an IoT-based theft detection system using Arduino, sensors, and Blynk IoT for real-time monitoring and instant alerts.
- Integrated GSM notifications to enhance security and minimize response time.

### E-Commerce Website for Clothing Products

- Designed and developed a responsive online shopping website showcasing clothing products like T-shirts, shoes, and pants.
- Implemented product listing, categories, customer reviews, and dark mode toggle for better user experience.

Category	Skills
Frontend Development	: HTML5, CSS3, JavaScript,Bootstrap
Tools & Technologies	: VS Code, Git & GitHub,AutoCad
Soft Skills	: Time Management, Team Leadership, Willingness to Learn

## 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 Programming, Coursera.
- 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.