# MANIKANDAN R

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LinkedIn | GitHub | MyPortfolio | LeetCode

## Summary

Electrical and Electronics Engineering graduate with expertise in C++, Java, Oracle SQL, JDBC, Servlets, Hibernate, Spring Boot, HTML5, CSS3, JavaScript, Bootstrap, and ReactJS. Demonstrated experience in building scalable applications through practical projects and relevant certifications. Proficient in version control and collaboration tools including Git and GitHub, aiming to contribute technical skills to impactful software development projects.

## Skills

**Programming Languages:** Java (OOP, Java 8, Collections, JDBC, Servlets, Hibernate, Exception Handling, Multithreading), C++, C

**Backend / Databases:** Spring Boot, SQL, Oracle SQL Plus (DDL, DML, TCL, DQL, Joins, Subqueries, Normalization)

**Web Technologies/Frontend:** HTML5, CSS3, JavaScript (ES6), ReactJS (States, Props, SPA, Event Handling, DOM Manipulation, Form Validation, Responsive Design), Bootstrap

**Frameworks & Tools:** JDBC, Servlets, Hibernate, VS Code, Git, GitHub

## Experience

**Java Full-Stack Developer**

Training and Coaching Center for Java & Software Development, Bangalore | May 2025 - Present

- Developed three Java-based applications leveraging OOP principles, JDBC, Servlets, Hibernate, and Spring Boot, improving backend performance by 20% and ensuring scalability.
- Designed and executed responsive user interfaces using HTML5, CSS3, JavaScript, and Bootstrap, enhancing interactivity and user experience.

## Projects

**Animal Detection and Alert System Using Deep Learning:**

- Enhanced a real-time animal detection system using YOLOv5, OpenCV, and TensorFlow/Keras to minimize crop damage.
- Deployed GSM/IoT modules to deliver instant alerts, ensuring timely farmer action.

**Portfolio Website:**

- Crafted a responsive personal website with HTML5,CSS3,JavaScript,and Bootstrap.
- Added dark mode, smooth scrolling, mobile sidebar, and interactive animations for an engaging interface.

**Student Management System (Java & SQL):**

- Designed a console-based application in Java and SQL to organize and manage student records.
- Enabled CRUD functionalities and automated report generation, streamlining data handling.

## Education

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

Dr. Mahalingam College of Engineering and Technology, Pollachi, Tamil Nadu | 2022 – 2025
GPA: 8.24

**Diploma of Higher Education – Computer Science and Engineering**

Nachimuthu Polytechnic College, Pollachi, Tamil Nadu | 2019 – 2022
GPA: 9.45

## Certifications & Achievements

- **Certification:** Flipkart Grid 5.0 – Software Development Track, Flipkart | 2023
- **Certification:** C++ Programming – SoloLearn | 2023
- **Certification:** Java Programming Certificate – Scaler | 2025
- **Certification:** SQL Developer – Simplilearn | 2025
- Completed over 150 coding challenges on LeetCode to enhance proficiency in data structures and algorithms

## Extracurricular Activities & Leadership

- SGS & NSS Camps: Volunteered in community development and awareness programs, supporting rural initiatives and impacting 150+ beneficiaries.
- AVERA (Department Association): Served as Executive Member, coordinating 10+ academic workshops, technical sessions, and cultural events, increasing participation and engagement of 200+ students.

## Additional Information

- **Problem-Solving & Analytical Thinking:** Strong ability to analyze challenges and design effective solutions.
- **Technical Proficiency**: Skilled in both front-end and back-end development, ensuring end-to-end project delivery.
- **Soft Skills**: Leadership, teamwork, adaptability, communication, and time management.