

MANIKANDAN R

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

Summary

Electrical and Electronics Engineering graduate with expertise in Java, C++, Oracle SQL, JDBC, Servlets, Hibernate, Spring Boot, HTML5, CSS3, JavaScript, Bootstrap, ReactJS, and REST API development. Experienced in full-stack application development, database management, and responsive UI design. Demonstrated ability to build scalable applications through hands-on projects and certifications. Skilled in Git, GitHub, debugging, and problem-solving, with a goal to contribute technical expertise to impactful software solutions.

Skills

Programming Languages: Java, C++, C

Backend / Databases: Spring Boot, Hibernate, JDBC, Servlets, REST API, SQL, Oracle SQL (DDL, DML, TCL, DQL, Joins, Subqueries, Normalization)

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

Frameworks & Tools: VS Code, Eclipse, Git, GitHub

Other Skills: Software Development Life Cycle (SDLC), Debugging, Testing, Problem-Solving, Team Collaboration

Experience

Java Full-Stack Developer

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

- Engineered three Java-based applications leveraging OOP principles, JDBC, Servlets, Hibernate, and Spring Boot, optimizing backend performance, reducing response time, and improving scalability.
- Developed and deployed responsive user interfaces using HTML5, CSS3, JavaScript, and Bootstrap, enhancing user interaction and 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.
- Integrated GSM and IoT modules to send instant alerts, enabling 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 better user experience.

Student Management System (Java & SQL):

- Created a console-based application using Java and SQL to manage student records.
- Built 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

Certifications & Achievements

- Certification:** Software Engineer – HackerRank | 2025
- Certification:** Java Programming Certificate – Scaler | 2025
- Certification:** SQL Developer – Simplilearn | 2025
- Certification:** C++ Programming – SoloLearn | 2023
- 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:** Skilled in debugging, code optimization, and designing effective solutions for real-world challenges.
- Technical Proficiency:** Experienced in full-stack development using Java, Spring Boot, REST API, ReactJS, SQL, and Oracle SQL for end-to-end project delivery.
- Soft Skills:** Leadership, teamwork, adaptability, communication, and time management, with Agile collaboration experience.