MANOJ K R

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OBJECTIVE

Enthusiastic B.E. 2025 graduate, certified in Java Full Stack and React.js, with expertise in building responsive, scalable web applications using Java, Spring Boot, MySQL, HTML, CSS, JavaScript, and React.js. Skilled in problem-solving, debugging, and agile collaboration, with a passion for modern software development.

EDUCATION

B.E. in ECE, MVJ College of Engineering, Bengaluru   2021 – 2025
CGPA: 8.61

PUC, B G S PU College, Gowribidanur   2019 – 2021
Percentage: 98

SKILLS

Programming Languages:	Core Java (OOPs, Collections), Python (Fundamentals), C++
Web Technologies & Databases:	HTML, CSS, JavaScript MySQL, SQL Plus
Frameworks & Libraries:	React.js, Tailwind CSS, Spring, Hibernate, JDBC
Tools & IDEs:	Visual Studio Code, Eclipse IDE, Arduino IDE

INTERNSHIP

ROBOROSX OMNI TECH SOLUTIONS LLP, Bengaluru   *Dec 2024 – Mar 2025*

- Gained hands-on experience in embedded systems, Linux basics, Bash scripting, and C++ programming.
- Worked with microcontrollers such as Arduino, ESP8266, and ESP32 using Arduino IDE and ESP-IDF.

PROJECTS

Design and Simulation of Carbon Fiber Dipole Antenna for Passive Radar

- Designed a carbon fiber-based dipole antenna with a nickel coating for improved conductivity and durability.
- Validated performance via HFSS simulations, achieving improved stealth and environmental resistance.

Smart Automation and Security System Using ESP32

- Developed a home automation and security system using ESP32 with RTOS and motion detection sensors.
- Enabled Wi-Fi-based real-time alerts to the homeowner's smartphone.

Java-Based Expense and Account Management System

- Built a console-based banking application with account management, transactions, and database integration.
- Applied Java OOP principles, JDBC, and MySQL for secure and structured account data handling.

CERTIFICATES

- Java Full Stack - JSpiders, Rajajinagar, Bengaluru (04/2025 – Present)
- Python 3.4.3 Training - IIT Bombay (Spoken Tutorial) [Certificate]
- Python Fundamentals - Infosys Springboard [Certificate]
- Workshop on ROS-1 and Mobile Robotics [Certificate]

HOBBIES

Travelling, Photography, Reading Novels