

MANOJ S

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CAREER OBJECTIVE

Seeking a challenging role in the tech industry to apply my problem-solving and programming skills. Passionate about developing efficient software solutions and exploring full stack technologies. Eager to learn continuously, build scalable applications, and contribute to impactful product development.

EDUCATION

M.KUMARASAMY COLLEGE OF ENGINEERING - Karur B.E Electronics and Communication Engineering CGPA - 7.956	2022 – 2026
Higher Secondary Certificate Government Higher secondary School - Chinnakkamanpatti	2021 – 2022
Secondary School Leaving Certificate SHN Edward Higher Secondary School - Sattur	2019 – 2020

TECHNICAL SKILLS & TECHNOLOGIES

Python (Intermediate)	Git & GitHub
C,C++ (Basics)	VS Code
Sql (Basics)	Firebase
Java (Basic)	PhpMyAdmin

ACHIEVEMENTS

Coding Milestones

Solved 500+ coding problems on LeetCode, improving proficiency in Data Structures, Algorithms, and problem-solving. This consistent practice enhanced my ability to write optimized code, analyze complexity, and prepare effectively for technical interviews.

Project Presentation at IEEE Conference - Design and Analysis of a Terahertz Antenna for Next-Generation Bio- Sensing Applications

Presented an IEEE paper titled “Design and Analysis of Terahertz Antenna for Advanced and Precise Next-Generation Biomedical Sensing Applications” at RMK College of Engineering and Technology on May 9, 2025, during an IEEE conference.

Math Club Coordinator

Organized weekly math events for three years, enhancing leadership, teamwork, and event management skills. Encouraged student participation and strengthened communication through collaboration with peers and faculty.

CERTIFICATIONS

- Power BI (Microsoft)
- Introduction to Networks (Cisco)
- Java Programming: Solving Problems with Software (Coursera)
- Cloud Computing (NPTEL)
- Switching, Routing, and Wireless Essentials (Cisco)
- Python Database Connection with MariaDB (Coursera)
- Networking devices and initial configuration (Cisco)

AREA OF INTEREST

Problem Solving in DSA | Achieving high coding problem milestones |
Focused on continuous learning | Collaboration on GitHub projects using Git

PROJECTS DONE

Stock Market Analyzer (2023 - 2024)

Technologies : Python, Pandas, Matplotlib, REST APIs, Git, GitHub

Description : Built a stock market analyzer to fetch and visualize real-time and historical data using financial APIs. Used Python, Pandas, and Matplotlib for data processing and trend analysis. Collaborated on GitHub for version control and team integration.

Design and Analysis of a Terahertz Antenna for Next-Generation Biosensing Applications (2024 - 2025)

Technologies: HFSS / CST, Terahertz Frequency Modeling, Antenna Design, EM Simulation

Description: Designed and analyzed a high-sensitivity terahertz antenna tailored for next-generation biosensing applications. Focused on optimizing antenna performance parameters such as gain, bandwidth, and sensitivity to enhance biomolecular detection accuracy in the THz range using advanced electromagnetic simulation tools.

SOFT SKILLS

- Problem-solving
- Teamwork
- Adaptability
- Leadership Quality