MANOJ S

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manojshenbagaraj.web.app (Portfolio) linkedin.com/in/manoj_shenbagaraj

github.com/MANOJS003

CAREER OBJECTIVE

I seek challenging opportunities where I can fully apply my skills and contribute to the success and growth of the organization

EDUCATION

B.E Electronics and Communication Engineering
M.KUMARASAMY COLLEGE OF ENGINEERING - Karur
2022 – 2026
CGPA - 7.956

HIGHER SECONDARY CERTIFICATE
Government Higher secondary School - Chinnakamanpatti
2021 – 2022

SECONDARY SCHOOL LEAVING CERTIFICATE
SHN Edward Higher Secondary School – Sattur
2019 – 2020

TECHNICAL SKILLS

Python
Intermediate

Sql
Basics

C,C++
Basics

Java
Basics

Embedded C
Basics

CERTIFICATIONS

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

ACHIEVEMENTS

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

Presented my IEEE paper on May 9, 2025, on Terahertz Antenna Design for advanced and precise next-gen biomedical sensing applications

Math Club Coordinator

Math Club Coordinator for 3 years, organizing weekly events and developing leadership, event management, and teamwork skills

AREA OF INTEREST

Data Structures and Algorithms

Object-Oriented Programming

Database Management System (Sql)

Problem Solving | Build Own Logic

PROJECTS DONE

Automatic Sun Tracking Solar Panel (2023 - 2024)

Technologies : Arduino, Sensors

Description : Developed a Python-based solar tracker using LDRs and servos, improving panel efficiency by 25% through automated sunlight alignment.

Design and Analysis of a Terahertz Antenna for Next-Generation Bio-Sensing Applications (2025 - Present)

Technologies : Ansys HFSS

Description : Simulated a 2.8 THz metamaterial antenna for biosensing, optimizing return loss and gain using Germanium for superior performance

SOFT SKILLS

- Problem-solving
- Teamwork
- Adaptability
- Leadership Quality