SARA R
Data Science & CyberSecurity Student

SUMMARY

Enthusiastic about Data Science and Cybersecurity ,with hands-on experience in ethical hacking, network security (Wireshark, Nmap), and data analysis, machine learning, and visualization using Python and Pandas. Passionate about solving real-world problems while ensuring system security.Strong leadership and problem-solving skills, with the ability to guide teams and tackle challenges effectively under pressure.

PROJECTS

Water Quality from mobile captured and Google Earth images (2023)
Patent Application No.202341032204 A

This project focuses on evaluating water quality using a combination of mobile-captured images and satellite data from Google Earth. The dataset includes visual and environmental parameters to support accurate analysis. Image processing techniques were applied to identify water characteristics such as turbidity and color. The approach ensures efficient and scalable monitoring of water bodies. This method is useful for environmental research and real-time water quality tracking.

COUNTER ELEVATOR (2024)
Patent Application No.202441018003 A

This project involves an intelligent table adjustment system using Arduino, IoT sensors, and Bluetooth connectivity. It uses computer vision to detect user height and automatically adjusts the table's elevation for ergonomic comfort. The system integrates data science for user behavior analysis and optimization. Real-time sensing and interaction ensure a personalized and adaptive experience.

CERTIFICATION AND WORKSHOP

HTML/CSS - GUVI (2024)
Applied database System Engineering - IITM PRAVARTAK(2025)
React(Basic)-LetsUpgrade(2024)
Geverative AI - GUVI Collaboration Google for education (2024)
AR/VR (Unity Engine)- Monolith Academy(2024)
Game Development *(Unreal Engine)*-
AI/ML FOR GEODATA ANALYSIS- ISRO (2024)
Design Thinking A Primer-NPTEL(2023)
Intoduction To Research-NPTEL(2023)
Ethical Hacking Course-Cappricio Securities(2024)
Robotic Workshop-Techentive Academy(2022)
Mulesoft developer Certification-Tech Force(2025)

CONTACT

🔗 www.linkedin.com/in/sara-kartin-2005k

✉ saraammu1209@gmail.com

📍 Chennai

EDUCATION

🎓 **B.TECH INFORMATION TECHNOLOGY**
2022-2026   CGPA:7.98
Prince Shri Venkateshwara Padmavathy Engineering College

🎓 **Higher Secondary Education**
2020-2022
St Dominic's Anglo-Indian Higher Secondary School

TECHNICAL SKILL

Python C Java SQL HTML/CSS React(Basic)

Git VSCode Arduino Eclipse AnyPointStudio

Unreal Engine Unity Google Cloud

ACHIEVEMENTS

STUDENT AMBASSADOR
2024-2026
Representing the institution and coordinating various events and activities.

AGILE ASSEMBLY Inc Cheif Marketing Officer
2023-2025
A College level statup focuses of WebDev and Application.