

# Sajad Hussain Malla

+91-9103321565 | huxi1314k@gmail.com | linkedin.com/in/sajad-hussain-malla | github.com/alsajad  
Kochi, Kerala, India

## TECHNICAL SKILLS

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**Programming Languages:** Python, C, C++, Bash, SQL ,Django,RestfulAPI

**Cybersecurity Tools:** Wireshark, Nmap, SIEM (Basic), Metasploit, Nessus,OpenVAS,Wireless Vulnearbility tools,JOHN,HASHCAT etc.

**Operating Systems:** Linux (Kali, Ubuntu), Windows

**Other Skills:** Frontend Development (HTML/CSS/JS Basics), Critical Thinking, Networking Fundamentals,Strong communication skills ,Leadership qualities,Latex,MS office

## EXPERIENCE

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### Tech Lead

Dec 2024 – Present

*ACES (Association of Computer Engineering Students)*

*CUSAT, Kochi*

Leading technical initiatives and coordinating cybersecurity workshops, coding bootcamps, and competitive programming events for 200+ computer science students.

Mentoring junior students in cybersecurity fundamentals, penetration testing techniques, and secure coding practices through hands-on training sessions.

Organizing guest lectures and industry connect sessions with cybersecurity professionals and tech companies for skill development and career guidance.

Managing technical resources, lab setups, and equipment for departmental events and hackathons, ensuring smooth execution of technical activities.

### Cybersecurity Intern

May 2025 – July 2025

*ElevateLabs*

*Remote*

Performed vulnerability scans using Nessus and OpenVAS on internal systems and documented identified CVEs along with severity, remediation paths, and risk assessments.

Captured and analyzed live network traffic using Wireshark and tcpdump, identifying protocol patterns (TCP, DNS, HTTP) and flagging anomalies.

Executed and reported on several penetration testing tasks including reconnaissance, enumeration, and exploitation phases using Kali Linux.

Practiced and documented password policy enforcement using strength evaluation tools like PasswordMeter and manual entropy analysis.

Documented each task in detailed lab reports with screenshots, attack paths, and mitigation steps, building a mini SOC analyst playbook.

Configured and tested UFW firewall rules and packet filtering strategies to secure Ubuntu systems during live network traffic simulations.

### HR Manager

May 2024 – Jul 2024

*TopTrove Foundation*

*Remote*

Managed human resources operations and team coordination for a remote workforce, implementing effective communication protocols and performance tracking systems.

Conducted recruitment processes including candidate screening, interviews, and onboarding procedures for various technical and non-technical roles.

Developed and maintained team management strategies, fostering collaboration and productivity across distributed teams during the 3-month internship period.

Coordinated cross-functional projects and facilitated team meetings, ensuring alignment with organizational goals and timelines.

### Open Source Contributor

May 2024

*Social Summer of Code - United Latino Students Association*

*Remote*

Participated in open source development program focusing on C++ and C programming projects, contributing to community-driven software solutions.

Collaborated with international developers on analytical problem-solving and computer engineering challenges during the summer program.

Applied critical thinking and analytical skills to debug, optimize, and enhance existing codebases in collaborative development environments.

Credential ID: fdb17545-0ed4-46d6-8b9f-05471c45153a

### Team Lead - Tech Fest Dhishna

CUSAT

Feb 2024

Kochi, India

Led the organization and coordination for one of the largest inter-college tech events in Kerala, collaborating with cybersecurity and tech communities.

## PROJECTS

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### ARGUS - PPE Detection System

Feb 2024

*Computer Vision – Cybersecurity – Python, YOLOv8, Roboflow, Django*

Built a real-time PPE detection system using computer vision to detect safety gear violations (helmets, vests) for worker surveillance.

Presented and approved by BPCL and HP during Dhishna Tech Fest.

Integrated with a web-app and notification system for real-time alerts.

### BINIFY - eWaste Management System

Nov 2023

*AI/ML + Robotics Integration – Python, OpenCV, Arduino*

Developed a web-based circular economy platform with object detection for e-waste classification using robotic arms.

Winner at INKRIT 2.0 Hackathon at MES College Aluva.

### DataBot - Natural Language Database Access

2024

*LLMs – Langchain – Gemini API – Flask*

Built a tool to query and manage databases using natural language prompts via Gemini LLM.

Runner-up at GistAthon, SNGIST, Kerala.

### Pentesting & Network Analysis Lab Tasks

2024

*Cybersecurity – Kali Linux, Wireshark, Nmap*

Performed traffic capture and analysis using Wireshark for DNS, TCP/IP, and HTTP protocols.

Scanned and reported vulnerabilities using Nessus and Nmap for mock local network.

## EDUCATION

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### Cochin University of Science and Technology (CUSAT)

*B.Tech in Computer Science Engineering (GPA: 8.05)*

Kochi, India

jun 2023 -present

### Govt. Boys HSS Magam, JKBOSE

*Senior Secondary (423/500), Top 10 Ranker*

Budgam, J&K

2022

## CERTIFICATIONS

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Google Cybersecurity Certificate – Coursera (SIEM, SOC tools, Network Security)

Tata Group - Cybersecurity Analyst Job Simulation – Forage (Credential ID: qAifoQ9pFipMbQNJQJ)

Prompt Design in Vertex AI – Google Cloud Skill Badge

Social Summer of Code – United Latino Students Association (Credential ID: fdb17545-0ed4-46d6-8b9f-05471c45153a)

Hands-on Wireshark, Packet Analysis, and Nmap Toolkit – Internal Training

IT Security: Defense against the digital dark arts - Coursera (Google)

Currently pursuing: CEH,SAL1 from tryhackme

## HACKATHONS & AWARDS

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Winner – Code reCET, CET Trivandrum (ARGUS Project)

Winner – INKRIT 2.0, MES College Aluva (BINIFY)

Winner – INKRIT 3.0, MES College Aluva

Winner – HACKnTech, BMCE College Ernakulam (VR classroom)

Winner – KMEA college ALOKI,(exclusive classroom for specially-abled people)

Runnerup – pegausus 3.0, MITS College (stutter-flow)

Magnathon 2.0 IEEE student branch College of Engineering Vadakara Team 2nd Runner-up

Make-a-ton 7.0 "Change Maker" track winner,Organised by MLH

Runner-up – GistAthon, SNGIST (DataBot)

Top 15 – DSA Series by GDSC CUSAT

IEDC Innovation & Design Bootcamp Phase II Participant

## ADDITIONAL

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**Languages:** English, Malayalam(can understand), Urdu, Hindi

**Hobbies:** Cybersecurity Testing, CTFs, Soccer, Open Source

**Volunteer:** Team Lead - College Cultural Fest Sargam & Tech Fest Dhishna, Volunteer at college Union Cultural fests.