V. Ajay

ajayzx000@gmail.com | (+91) 6383945083 | linkedin.com/in/ajay-vijayan-a30032259

github.com/00Ajax00

Objective

Enthusiastic Cybersecurity Beginner with foundational skills in penetration tester, threat detection, network security, and vulnerability analysis. Actively applies project and certification knowledge in CTF and lab environments, contributing to a collaborative cybersecurity team

Education

K S Rangasamy College of Technology, Bachelor's Degree in Computer Science and Engineering 2022 – 2026

- CGPA: 7.9

Sree Vetri Vikas Matric Higher Secondary School, HSC Schooling 2021 – 2022

- Percentage: 84%

Technical Skills

Languages: Java, Python, C, JavaScript, SQL

Tools: Git, Docker, PostgreSQL, Burp Suite

Cybersecurity: Cybersecurity fundamentals, Basic Network Security, Penetration Testing, Linux Fundamentals
Concepts: Machine Learning(ML), Prompt Engineering, Operating Systems Basics, Data Structures.

Certifications

- NPTEL: Privacy and Security in Online Social Media, Data Analytics with Python, Cyber Security and Privacy, Demystifying Networking
- Palo Alto: Cyber Security Fundamentals, network security, cloud security, and security operations
- INFOSYS: Java Developer Certification, Generative AI Certification, Prompt Engineering, Deep Learning for NLP
- Coursera: IBM Cloud Computing

Key Achievements

- **Secured 11th Place in KPR CTF Challenge 2025**: Competed in a national-level offline CTF, earning 11th place out of 36 teams by contributing 660 points through solving challenges in ISONIT, forensics, cryptography, steganography.
- **Participated in NCIIPC-AICTE Pentathon 2025 - April 2025:** solving CTF challenges on steganography, vulnerability analysis and forensics.

Projects

Gold Price Prediction System

- Built a predictive analytics system for forecasting gold prices using machine learning models, with a React frontend for visualization.
- Tools Used: Machine Learning - Pandas, NumPy, Scikit-Learn, Regression

Darknet Nexus - In Progress – Temporarily Paused

- Designed a monitoring tool for analyzing darknet activity and potential cyber threats using scraping and intelligence frameworks. Utilized BeautifulSoup for parsing Tor network data and identifying patterns in malicious content.
- Tools: Python, Tor Network, Web Scraping, Cybersecurity

Gas Detection & Embedded Web Server

- Developed a gas detection system using MQ7 & MQ135 sensors with Arduino for air quality monitoring. Built an ESP32-based web server with SPIFFS to enable remote IoT monitoring and control. Tools Used: Arduino, IoT.

Strengths

Creative thinker, quick learner of new technologies, openness to learn, self-confident, adaptable to diverse environments, and maintain a positive approach.