

# BRUNO A

Cyber Security Engineer

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Bruno A | [LinkedIN](#)

## EDUCATION

**Evangeline Matriculation Higher Secondary School,**  
Karunya Nagar, Madawarayapuram, Tamil Nadu  
641114—*HighSchool*

**Karunya Institute of Technology and Sciences,**  
Karunya Nagar, Coimbatore, Tamil Nadu 641114

## PROJECTS

### Malware Detection FOR Power Sector(SIH2023):

- The solution involves a multi-layered approach that combines both signature-based and behavior-based detection techniques.
- We are preventing the malware spreading with the Help of IPS (Intrusion prevention system).
- Isolate the provided file for behavioral observation. Following this process, our tool will generate Alert and comprehensive report.

### Plug And Play Audit Tool(KVH2023):

- The plugin audit tool is an **agent based** tool to **detect** and **report** any **vulnerabilities** present in the system.
- **Scanning:** It scans ports and protocols and involves the systematic examination of a computer system or network to identify potential vulnerabilities or security weaknesses.
- **Penetration testing:** The team follows the **NIST SP 800** standard penetration testing framework.
- This Tool verifies

### Number Plate Detection:

Implemented Number Plate Detection using **YOLO** (You Only Look Once), showcasing proficiency in **computer vision and object detection**. Developed an efficient system for real-time identification of vehicle license plates, contributing to enhanced security and surveillance capabilities.

## SKILLS

Basic Penetration Testing,  
CCNA (Cisco Certified  
Network Associate),  
Red Hat Linux,  
Linux,  
Python Programming,  
Flutter,  
Machine learning,

### Soft Skills:

Communication Skills,  
Management,

### Designing skills:

Adobe Photoshop,  
Adobe Illustrator,  
Adobe InDesign,

## AWARDS

Finalist Of KVH(kavach 2023)  
Finalist OF SIH 2023  
MindKraft 2023 CTF

## LANGUAGES

Tamil , English

## Portfolio:

A dynamic and visually appealing **portfolio website using HTML and CSS**, showcasing my technical skills and creativity. Implemented responsive design principles for optimal viewing across various devices, emphasizing user experience. Incorporated smooth navigation and interactive elements to engage visitors effectively. This project not only highlights my proficiency in front-end development

## Exam os:

Configured a robust Exam Operating System (Exam OS) **using Debian**, showcasing expertise in Linux system administration. Implemented secure and optimized configurations to ensure a stable examination environment. Demonstrated proficiency in setting up **user authentication, access controls, and network configurations** for a seamless and secure exam platform. This project underscores my skills in **system configuration, security, and administration**, emphasizing a commitment to creating reliable and efficient software solutions. The Exam OS project reflects my ability to leverage Debian for specialized applications.

## Detection of PROXY AND VPN:

The project aims to enhance network security by developing a detection system for **proxies and VPNs**. Through network traffic analysis, it employs techniques such as monitoring known IP addresses, **geolocation analysis**, and anomaly detection to identify and mitigate potential risks.

## RFID Lock:

Engineered an RFID-based door lock system, seamlessly integrating hardware and software components. Implemented secure access control using RFID cards for **enhanced security and convenience**. This project showcases my proficiency in IoT, hardware interfacing, and smart security solutions.

## Static Malware Scanner using Randomforest:

Experienced in developing a **static** malware scanner using **Random Forest**, demonstrating proficiency in **machine learning for cybersecurity**, and model optimization to enhance accuracy and efficiency in **detecting malicious** software.

Achievement's :

SIH2023(Smart India Hackathon)



KVH2023(Kavach Hackathon)





