

## Contact Information

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## Education

2022–Present **Bachelor of Technology:** Maharashtra Institute of Technology - Pune, MIT-WPU, Kothrud-38

2022 **High School Education:** Mount St. Patrick Academy, Pune-47, Maharashtra

## Areas of Interest

Penetration Testing, Cyber Security, Software Development,  
Project Planning, Open Source, Automation, Intrusion Detection and Prevention (IDS/IPS)  
Network Forensics

## Projects

- AI-NIDS **IoT-Botnet-Detection:** Submission for Capstone Project organised by MIT-WPU. The project was designed to detect IoT botnet attacks using an AI-driven Network Intrusion Detection System (NIDS). I was the Solo Developer of this Project and also the sole Maintainer of this Project, This Project still lies under development for **Capturing Real Time Traffic**.  
<https://github.com/Ram001-code/IoT-Botnet-DDoS>
- Tools & Utility **Port-Scanner:** This is a Simple yet effective Port Scanner that is being Hosted on the AWS and with my domain: **ports.ramksites.site**, Technology used in this are Flask for Hosting and Backend Implementation is done on NMAP for Scanning  
<https://github.com/Ram001-code/port-scanner>
- Network Utility **FortiPass:** FortiPass is a web application designed to evaluate and ensure the strength of user-generated passwords. Built using Python and Flask, the tool analyzes password strength based on various criteria such as length, complexity, and use of special characters, providing real-time feedback to users.  
<https://github.com/Ram001-code/FortiPass.git>
- RL-DL **Adaptive Multi Threat Mitigation using Deep RL:** A cutting-edge project aimed at mitigating multiple cyber threats in real-time using deep reinforcement learning techniques. The project integrates a Double Deep Q-Network (DDQN) with real-time network traffic analysis for adaptive threat response.  
I am the **Solo** Developer of this Project!

## Achievements

- 2024 Successfully Reported Various High Severity Bugs to the PWC Corp.(PriceWaterHouseCoopers)
  - 2023 Successfully Reported Various Bugs in College ERP & Koha
  - 2023 Won the College Level Hackathon and CTF hosted in MITWPU
- HTB Rank: #823  
HTB Profile: <https://app.hackthebox.com/profile/1911733>

## Technical Skills

### Languages Used

Python, Android Development, Web Hosting, JavaScript(Basic)  
Linux Essentials, Networking Fundamentals, C/C++ (Reverse Engineering)

### Software Packages

BurpSuite, Metasploit Framework, NMAP, Wireshark, Wordpress, Linux, OS Basics, GIT, MITRE ATT&CK Framework

## Personal Skills

Positive Attitude, Cybersecurity Awareness  
Full commitment to work, Creative Thinker  
Quick Learner and Problem Solving

## Extra-curricular activities

- Hack-X Active Technical co-head of the Cyber Awareness Club, Hack-X at MIT-WPU
- MITWPU Contributor in various college level projects.
- Hack-X Hosted various CTF Competition through my Club Hack-X in MITWPU