

# JAY MAKWANA

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## OBJECTIVE

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CEH, Cyber security enthusiast, seeking part-time, internship/job in Information Security roles.

I am a third-year college student pursuing my Bachelor of Engineering (B.E.) in Cyber Security degree at Mumbai University. I am an enthusiastic Programmer and a Networking geek with experience working as a Security Researcher. I like doing practical things, hence I experiment using VMs, creating some insane setups.

## EDUCATION

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<b>Bachelors in Cyber Security</b> , Mumbai University	2020 - 2024
Average CGPA: 9.2	

<b>Higher Secondary in Science with Computer Science</b> , Mumbai University	2018 - 2020
Grade: First class with distinction	

## SKILLS

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<b>Technical Skills</b>	MITRE att&ck and OSINT framework, ISO 2700x, Web-App security, Information security, OWASP Top 10, Cloud computing & Virtualization.
<b>Operating Systems</b>	Linux (Ubuntu, Kali, Parrot, CentOS), Windows.
<b>Tools</b>	Nmap, Wireshark, Burpsuit, Nessus, sqlmap, dirbuster, wpsan, ophcrack, metasploit framework.
<b>Programming Languages</b>	C, C++, Python3, MySQL, web(HTML, CSS, JS).
<b>Certifications</b>	Certified Ethical Hacker, Open-source Intelligence, Scrum Foundation Professional Certificate, Certified Secure Computer User,.

## EXPERIENCE

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<b>Information Security Analyst</b> V4web Cybersecurity	Feb 23 - Present <i>Mumbai, India</i>
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- Information Security system management planning & auditing.
- VAPT & Understand the Investigation life cycle.
- Developing analyst skills.

<b>Information Security Administrator</b> Virtual Testing Foundation	Sep 22 - Nov 22 <i>Remote, Los Angeles, California</i>
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- Explored MITRE att&ck and OSINT framework, SCRUM model.
- Learned about tools like Splunk - SIEM tool, Harmony - Endpoint security tool, Pfsense - opensource Firewall.
- Dive into topics like Cloud fundamentals, Virtualization, Container system, Web-App security, Basics of Pen-testing.

## Cyber-Security Researcher & Developer

HackHunt CyberSecure LLP

Jul 22 - present

*Remote, India*

- Research in field of Digital forensics & Information security.
- Working on institute level project.

## Research Project Intern

NTRDC CFB India

Sept 21 - Feb 22

*Remote, India*

- Researched Law Chain of Custody, Forensics, and Cyber Crime.
- Learned and conceptualized Digital Forensics, Networking, and Ethical Hacking with practical implementations in the civil law of India.

## PROJECTS

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**Team Cybees - Network Traffic Analyzer.** A software that is used to keep an eye on all incoming and outgoing traffic, network activity, and availability. It is also used to detect anomalies, identify operational issues, comparing real-time networks with historical data to identify potential threats and issues.

**HoneyTrack – An Improved Honeypot.** A Honeypot cum SIEM tool developed on Docker Container using Python and Bash scripting, and SIEM features using Elastic Stack. I programmed a Docker script that installed HoneyTrack in less than 2 minutes. I also configured Elastic Stack on Microsoft Azure to collect logs and visualize big data. I supervised Git VCS operations for the team.

To test Honeytrack, we set it up live and monitored attacks for 30 days which generated 250,000+ logs. After the successful tests, the college has planned to implement this project in its incident response policy.

**Accident Detection through CCTV Footage using Python.** Developed a machine learning model that classifies an image as either “Accident” or else “Non-Accident”. Python modules used – Tensorflow, PIL, Numpy, Matplotlib, and Keras.

After training, the accuracy during the testing & validation phase ranged from 75

## LEADERSHIP

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- College Ambassador, I started a club which aims for Cybersecurity for all, which is under the collaboration with HackHunt cybersecurity LLP. We conduct workshops and seminars in the field of Cybersecurity. Members of the club can collaboratively work together towards a common goal.
- General Secretary - Cyber Security Department student council.  
I lead the Council where we Organizing student events and activities, Advocating for student interests and needs, Providing resources and support for student organizations and clubs, Facilitating communication between students, faculty, and administration, and addressing any issues or conflicts that arise and Collaborating with other student councils and organizations on campus, as well as with local community groups and organizations