

# Kunal Walavalkar

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## EDUCATION

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2020 – 2024	<b>Bachelors of Engineering</b> <i>Vidyalankar Institute of Technology</i>	Mumbai, India
2022 – 2024	<b>Honors in Cybersecurity</b> <i>Vidyalankar Institute of Technology</i>	Mumbai, India

## PROFESSIONAL EXPERIENCE

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**Digital Forensics Intern**  
*Cyber Secured India*

## PROJECTS

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### O.S.S.O.C [🔗](#)

*Security Operations Centre*

Proof of Concept for an open-source Security Operations Centre which has automation capabilities.

### D|Cipher [🔗](#)

*Cryptography toolkit*

Cryptography toolkit that allows users to encrypt and decrypt their text using an algorithm of their choice.

### Hexplorer [🔗](#)

*Hexdump utility*

Command-Line utility to dump the binary and hexadecimal rendition of a file.

### Probe [🔗](#)

*Port scanner*

Portscanner that implements multithreading for swift scans.

### Write-ups [🔗](#)

Collection of write-ups to assist others in solving various CTF challenges.

### Signum [🔗](#)

*Password generator and strength checker*

Web based application that allows users to generate passwords and check the strength of their passwords.

### RiSkore [🔗](#)

*Risk calculator for organizations*

Calculates the risk faced by an organization based on the following factors: Threat agent, Vulnerability, Technical impact, Business impact.

## CERTIFICATIONS

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### eJPT v2

Junior Penetration Tester certification offered by INE  
(F.K.A. eLearnSecurity)

### Google Cybersecurity Certification [🔗](#)

Cybersecurity Professional Certificate offered by Google

## SKILLS

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### Reverse Engineering

Tools: GNU Debugger, Cutter, Ghidra, Flare VM,  
REMnux  
Languages: Assembly, C

### Penetration Testing

Tools: Burpsuite, Nmap, Metasploit  
Operating Systems: Windows, Linux