

# Navid Kagalwalla

nkagalwa@andrew.cmu.edu ♦ (412) 742-1854 ♦ [Portfolio](#) ♦ [LinkedIn](#)

---

## EDUCATION

### **Carnegie Mellon University - School of Computer Science**

Pittsburgh, PA

Master of Science in Information Technology

Aug. 2021 - Dec. 2022

*Selected Coursework:* Information Security, Privacy and Policy, Foundations of Privacy, Cryptocurrencies, Blockchains and Applications

### **Narsee Monjee Institute of Management Studies (NMIMS University)**

Mumbai, India

Bachelor of Technology in Computer Engineering | CGPA: 3.68/4.0

May 2017 - Apr. 2021

*Selected Coursework:* Computer Networks, Data Structures, System Security, Software Quality Assurance and Testing, Operating Systems

---

## EXPERIENCE

### **Deloitte Touche Tohmatsu India LLP**

Mumbai, India

Cyber and Strategic Risk Intern

Jan. 2021 - June 2021

- Audited infrastructure security of State Bank of India, Yes Bank and ICICI Lombard
- Coordinated Web Application Penetration Testing of 150 applications of Yes Bank
- Performed Secure Configuration Assessments for 25 web servers and database servers

### **Deloitte Touche Tohmatsu India LLP**

Mumbai, India

Cyber Risk Intern

May 2019 - July 2019

- Audited application and infrastructure security of State Bank of India
- Authored Digital Forensic Readiness Checklist for HP-UX B.11.31 OS
- Conducted Digital Forensic Readiness Assessment on 65 web servers, database servers, firewalls
- Collaborated with a team of 3 to conduct Code Review of State Bank of India's YONO Project

### **Omic.health**

Mumbai, India

Software Engineer Intern

Oct. 2018 - Dec. 2018

- Integrated new functionalities in Django to existing backend infrastructure
  - Designed test cases for access management and business logic errors
- 

## SKILLS

**Security:** Digital Forensic Readiness Assessment, Source Code Review, Vulnerability Assessment, Web Application Penetration Testing, Active Directory Security Assessment, OSINT

**Programming:** Python, SQL, C++

---

## PUBLICATIONS

- Garg, T., **Kagalwalla, N.**, Puthran, S., Churi, P. and Pawar, A. (2021), "A novel approach of privacy-preserving data sharing system through data-tagging with role-based access control", World Journal of Engineering. [\[PDF\]](#)
- Tanvi Garg, **Navid Kagalwalla**. "Challenges of Implementing Privacy Policies in Countries ", in Data Protection and Privacy in Healthcare: Research and Innovations, Taylor and Francis Publications, USA. January 2021 [\[PDF\]](#)
- Tanvi Garg, **Navid Kagalwalla**, Prathamesh Churi, Ambika Pawar, Sanjay Deshmukh. "A Survey on Security and Privacy Issues in IoV. International Journal of Electrical and Computer Engineering, vol. 10(5), pp 5409-5419, Oct 2020. [\[PDF\]](#)

- **Kagalwalla, N.** and Churi, P. "Cybersecurity in Aviation : An Intrinsic Review, " in 5th International Conference On Computing, Communication, Control And Automation (ICCUBEA), Pune, India, 2019, pp. 1-6. [\[PDF\]](#)
- **Kagalwalla, N.,** Garg, T., Churi, P., & Pawar, A. "A survey on implementing privacy in healthcare: An Indian perspective." International Journal of Advanced Trends in Computer Science and Engineering, vol. 8(3), pp. 963-682, 2019. [\[PDF\]](#)

## PROJECTS

### **HarvestIn** [\[Project\]](#)

- Led a team of 3 to develop a LinkedIn reconnaissance tool which authenticates to the LinkedIn API to scrape information from profiles which can be downloaded in a .csv format and sends automated connection requests to employees of a specific company

### **Defcred** [\[Project\]](#)

- Programmed a tool for searching default credentials of network devices, web applications. It searches through a repository of 523 vendors and 2084 default passwords

### **File Forensic Analyzer** [\[Project\]](#)

- Collaborated with a team of 2 to develop a tool that analyzes suspiciously big files by matching file contents against a set of keywords and checks if a file signature matches its file extension. The tool sends the output directly to an email address

### **Port Scanner** [\[Project\]](#)

- Programmed a reconnaissance tool that determines open ports on a network. It can be used by an attacker to identify network services running on a host and exploit vulnerabilities

## HONORS

**Meritorious Student List**, NMIMS University 2017-2021

**Student Ambassador Award** for Security and Privacy Research, NMIMS University 2021

Issued 7 **CVE IDs** for **Zero Day Vulnerabilities** reported in booking and content management systems

Reported **critical vulnerabilities** in websites of **Pfizer, Audi, Procter & Gamble, Dell Technologies,**

**Harvard University, Cambridge University** etc. Acknowledgement Letters - [\[Harvard\]](#) [\[Cambridge\]](#)

**3<sup>rd</sup> Dan Black** belt awarded by Kukkiwon, World Taekwondo Headquarters in Korea 2018

Presented research conducted in **Digital Forensic Readiness Assessment** and **Active Directory Security Assessment** at Null Mumbai

## CERTIFICATIONS

**CompTIA Security+ ce** by **CompTIA**: (June 2020 - June 2023) [\[Link\]](#)

**CNSS Certified Network Security Specialist** by **ICSI**: (June 2020) [\[Link\]](#)

## ACTIVITIES

Member, Carnegie Mellon Blockchain Club Aug. 2021-Present

Member, Steel City Information Security Group Aug. 2021-Present

Member, ISC2 Pittsburgh Chapter Aug. 2021-Present

Member, Trace Labs Jan. 2020-Present

Author and previously Senior Teaching Assistant, Cybrary Jan. 2020-Present

Speaker, Null Mumbai (India's largest Open Security Community) Feb. 2019-2021

Mentor, Hamara Foundation Feb. 2019-2020