

MAYANK RAMNANI

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EDUCATION

New York University, Tandon School of Engineering, Brooklyn, New York 08/23 ▶ 05/25 (Expected)

Master of Science in Cybersecurity (GPA: 4.0)

Relevant Courses: Information Security and Privacy, Computer Networks, Network Security, Software Supply Chain Security, Vulnerability Analysis and Pentesting, Cloud Computing ; Member of OSIRIS Cybersecurity Lab;

Recipient of the Dan Kohn scholarship from the Linux Foundation in recognition of my significant contribution - security assessment of a CNCF project.

AWS NYU Security Jam Winner; NCAE Vivid CTF Finalist (Finals in October 2024);

Savitribai Phule Pune University, Sinhgad College of Engineering, Pune, India 08/15 ▶ 06/19

Bachelors in Computer Engineering

Relevant Courses: Information & Cybersecurity, Systems Programming & Operating Systems, Computer Organization & Architecture, Computer Networks, Data Structures & Algorithms, Advanced Data Structures, Design & Analysis of Algorithms, Web Technologies

Indian Institute of Technology, Roorkee India 07/17 ▶ 08/17

Certificate Course: *Introduction to Cryptography (Grade Elite)*

TECHNICAL SKILLS

Programming Languages: C, C++, Python, Bash, Rust, HTML, CSS, JavaScript

Tools/Technologies: Linux, EBPF, GDB, Computer Networking, Conducting Security Assessments, Threat Modelling, Agile development, Coverity, Snyk, Trufflehog, GKE, Git (VCS), Nmap, Wireshark, Metasploit, SQLMap, Splunk, Docker, Kubernetes, Vim, Tmux, Strace, Ltrace, Valgrind, IPTables, TCP/IP, TLS, Cryptography, Google Sheets, SQL, FFmpeg

WORK EXPERIENCE

Secure Systems Lab, NYU

Research Assistant Brooklyn, New York, USA 01/24 ▶ Current

- Ensure code quality and functionality using code reviews, proactive bug fixing and collaborative problem solving contributing to the overall success of the [Lind](#) project.

SentinelOne Inc *Attivo Networks pre-acquisition, SentinelOne acquired Attivo Networks in May 2022*

Senior Software Engineer Bangalore, India 03/23 ▶ 07/23

- Designed, developed and documented new features for Linux endpoint, including fully leading development of an EBPF module, Linux kernel module and injection library along with code reviews for the team.
- Designed and developed an available, scalable micro-service in the cloud with my team to support breached password detection in customer environments.
- Ensured secure coding practices and code standards are being maintained in my team of 15 people as the liaison for the Application Security team of SentinelOne with the help of SAST and SCA tools.

Software Engineer Bangalore, India 07/19 ▶ 02/23

- Developed and maintained endpoint software for Linux, Mac, and Windows that was deployed to hundreds of thousands of endpoints across the world.
- Developed a full-fledged high quality identity security product deployed inside networks of tens of Fortune 100 companies by collaborating with Backend, UI, QA and other teams across the organization.

PROJECTS

Kubernetes Todo-List Application: Developed and deployed a scalable, performant, modular, multi-user todo list application on GKE, tested locally using Minikube. 03/24 ▶ 03/24

AWS Dining Chatbot: Developed and deployed a chatbot that provides restaurant suggestions to the user using AWS services - Lex, Lambda, S3, ElasticSearch, DynamoDB, SQS, SES, APIGateway. 02/24 ▶ 02/24

Browser History Analyzer: Developed a tool in Python using PyQt, sqlite3 to fetch, parse and analyse history data of the browser and display it visually using graphs, leading a team of 4. 08/18 ▶ 12/18