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

Relevant Courses: Information Security and Privacy, Computer Networks, Network Security; Member of OSIRIS Cybersecurity Lab

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, HTML, CSS, JavaScript

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

WORK EXPERIENCE

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

Personal Website: Designed, developed and deployed https://mayankramnani.com, a personal website to serve my presence over the web using HTML, SASS, JS. Developed and deployed https://blog.mayankramnani.com to automatically serve blog posts when a markdown file is posted.   07/19 ▸ Current

YouTube-to-Spotify: Developed a python application to download playlists and videos from YouTube and locally upload them to spotify using ffmpeg, yt-dl.   08/21

Covid Vaccine Locator: Developed an application using python to scrape webpage using python, find locations with vaccine availability and send alerts using Telegram to registered phones.   05/21

Smart Navigation for the Visually Challenged (Capstone Project): Designed and developed an android application using Machine Learning and TensorFlow to aid the visually impaired perceive the world around them with sound (Team of 4)   08/18 ▸ 06/19

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 various graphs. (Lead a team of 4)   08/18 ▸ 12/18