

Siddharth Jain

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ
Master of Science in Computer Science

Expected May 2024

Manipal University Jaipur, Jaipur, Rajasthan/India
Bachelor of Technology in Information Technology

July 2016 – July 2020

- **Awards:** Publication and Research Award Incentive for Students to Excel (PRAISE) from Manipal

SKILLS

- **Technical skills:** Python / Bash scripting, C, Cloud operations, Website Development (Frontend HTML, CSS, JS) (Backend Python, Flask, Django), Threat Hunting, SOC Analysis, Linux Admin, cryptography, GitHub
- **Soft Skills:** Prefer to work in a team, communicative, inclined towards mentorship and being mentee, ebullient to debug and brainstorm for solutions, love to research, and try to automate mundane tasks
- **Certification:**
 - CEH: Certified Ethical Hacker (ECC5617342908)
 - Corporate Training: Cloud Practitioner Essentials, Advanced Architecting AWS, Security Engineering AWS
 - Tryhackme ranking in top 3% (exposure to various tools: Nmap, hydra, Metasploit, burp suite etc.)

EXPERIENCE

Stevens Institute of Technology, NJ
Teaching Assistant: Operating Systems

January 2023 - Present

Paytm, Uttar Pradesh/India

January 2020 - July 2022

Job: Senior Security Engineer

- Mentored a team of 4 people & managed and developed Cloud accounts, SPOC for Cortex XDR, Compliance auditing
- Sysadmin – respond to outages (DEVOPS) – deploy webapps on Docker
- Created web crawlers/ spiders, automation scripts, web portals
- Reduced 25% cost of cloud account and security tools for company **Award: Rising Star Award**

Paytm, Uttar Pradesh/India

Internship: Intern Central Cybersecurity Team

June 2019 - July 2019

- Trained myself on ways of cybersecurity, did source code analysis (SAST) and learnt basic operations on AWS
- Took ownership of Django Based security portal and orchestrated it on AWS (from Canada to India)

Cadence Design System, Uttar Pradesh

May 2018 – July 2018

Internship: Consultant Voltas Team (Simulation Team)

- Converted traditional code in C++ to Python and learnt TCSH, made it machine learning for friendly
- Developed a project for anomaly-based detection system for fluctuations in temperature for electronic simulations

PROJECTS

- **Academic Projects (09/2022 – 12/2022):-** Created commands like cp, ls, server for HTTP/10 and simple shell program in C. Designed a POC based social networking app on ASP.net and uploaded it using Azure app services
- **Fake App Searching bot (01/2021 – 12/2022):** The task was to remove phishing apps of Paytm from internet with automation and APIs of IZOO logic. Using Python and its libraries like requests, BeautifulSoup, pandas, and bash (CRON)
- **Safe VPN (01/2022 – 05/2022):** Series of systems for providing a safer internet with a monitored VPN option (Personal)
- **Enterprise learning Management and writing AUP policy (01/2020 – 02/2020):** To develop an ELM portal to tackle insider. Using Moodle, HTML, PHP, CSS, JS, Google SSO developer options
- **Portal for administration of servers (09/2019-12/2019):** Created a site to easily manage fleet of servers

RESEARCH PROJECTS

- **Graphical Applications to NLP(01/2022 – 12/2022):** Book chapter for application of NLP using industrial case studies
- **“Security Analysis of Web Applications” (06/2019 – 02/2020):** Devised a research paper, a solution for parsing application logs to efficiently to detect XSS attack: Technologies: Python, Burp suite, OWASP top, BWAPP, Apache server