

Arushi Rai

+91 91524 11265 | work.arushi1@gmail.com | asr-24 | arushi-rai-cybersecurity | Mumbai, India

Education

NMIMS's Mukesh Patel School of Technology Management & Engineering

May 2024

Bachelor of Technology in Computer Science Engineering (Specialization: Cybersecurity) - Semester 6 CGPA: 3.87/4.0

Relevant Coursework: Blockchain Security & Forensics, Cloud Security, Cryptography, Cybersecurity Fundamentals, Cybersecurity Risk Management, Data Privacy, DevSecOps, Digital Forensics & Incident Response, Human & Legal Aspects of Cybersecurity, Human-Centric Cybersecurity, Network Security, Reverse Engineering & Malware Analysis, Vulnerability Assessment & Penetration Testing.

R.N. Podar School – Class 12, CBSE

July 2020

Board Exams Score: 95.2%

Pawar Public School – Class 10, ICSE

June 2018

Board Exams Score: 96.67%

Skills

Programming Languages Python, JavaScript, SQL, NoSQL

Agile, BeautifulSoup, Bootstrap, Expressjs, L^AT_EX, Malduck, Matplotlib, Natural Language Toolkit, Nodejs, NumPy,

Frameworks & Libraries OpenCV CLAHE, OS, Pandas, Regex, Requests, SciPy, Scikit-learn, Selenium, Sentiment VADER, Speech Recognition, Helia, Dotenv

Technical Skills

AD, AWS, GCP, Docker, Ghidra, Hashcat, Hydra, IDA Pro, John the Ripper, Kali Linux, Metasploit, Nessus, Netdis-cover, Nmap, IPFS, VirtualBox, UTM, Visual Studio, VirusTotal API, Win-Hex, Aerocrack, Autopsy, Dirb, GitHub Actions, Google Cloud Platform, ManageEngine Endpoint Central, Trend Micro Deep Discovery Inspector

ArcGIS, LabVIEW, Leadership and Management, Presentation & Communication Techniques, Technical Report & Article Writing, VAPT Report Writing

Others

Experience

TATA Advanced Systems Ltd. - Cybersecurity Intern, Information Technology & Business Applications

May - July 2023

- Strengthened cybersecurity knowledge by studying CISSP domains
- Aligned data classification and DLP measures with the organizational policy to facilitate ISO 27001:2022 compliance; spearheaded the mechanisms by researching and coordinating vendors' PoCs
- Automated remote scanning and verification of possible IoCs as part of malware incidence response
- Underwent training for end-point security, asset management, email server management

Article on Multiclass Classification in Machine Learning - Freelance Technical Content Writing

July 2022

Tutoring for C, Python3, MySQL, MS Access

2021 - 2023

Projects

Sentinel Share Decentralised data and resource-provisioning system with end-point security

Raccoon Stealer Python app to create memory dump integrated with the VirusTotal API to detect malware artifacts

Scam-Shield Classifier for malicious URLs - Random Forest algorithm

VAPT for Humbleify 9 logins captured, and privilege escalated, 18 vulnerabilities and sensitive information acquired

Capture the Flag Corrosion2 Root flag found and privilege escalated

House Automation Dashboard LabVIEW Project for Supervisory Control and Data Acquisition

Cryptography Python codes for elementary, intermediate cryptographic systems, their decryption and cryptanalysis

Lemonade Stand Business Using MS Access and SQLite for setting up a business flow and subsequent decision-making using reports

Extra-curriculars

Harvard WorldMUN Taipei, Taiwan: Successfully cleared 4 internal qualification rounds to become a part of the Indian delegation

2024

CTF Hackathon by Institution of Engineering & Technology's Mumbai Local Network & Xavier Institute of Engineering: 2nd Place

2023

MPSTME's Students' Council's Research Cell: Secretary

2023

Social Conclave (MPSTME's Socio-political conference backed by the United Nations): Vice-Chairperson

2023

Taqneeq 15.0 (MPSTME's official technical fest): Vice-Chairperson

2023

Sattva (MPSTME's official cultural fest): Head of Department: Social Media and Content Writing

2023