Arushi Rai

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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
Frameworks & Libraries	Agile, BeautifulSoup, Bootstrap, Expressjs, LaTeX, Malduck, MatPlotLib, Natural Language Toolkit, Nodejs, NumPy, OpenCV CLAHE, OS, Pandas, Regex, Requests, SciPy, Scikit-learn, Selenium, Sentiment VADER, Speech Recogn--ition, 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
Others	ArcGIS, LabVIEW, Leadership and Management, Presentation & Communication Techniques, Technical Report & Article Writing, VAPT Report Writing

Experience

TATA Advanced Systems Ltd. - Cybersecurity Intern, Information Technology & Business Applications *July 2023*

- Strengthened cybersecurity knowledge by studying CISSP domains, aligning them with organizational policies to contribute to ISO 27001:2022 compliance
- Spearheaded data classification and DLP measures by researching and coordinating vendors' PoCs
- Automated scanning for 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*

Teaching Python3, MySQL, MS Access *July 2022*

Tutored a 12th-grader, a front-end developer, a management graduate

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

Government of India's Ministry of Education's Smart India Hackathon	*Presently participating*
Harvard WorldMUN; Round 2 Qualified	*Presently participating*
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*