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- George Mason University, Virginia** Fairfax, Virginia, USA  
*M.S. Information Systems, Cybersecurity Engineering Minor* *August 2021 - December 2023*  
*Specialization: Network Security, Cloud Security, Penetration Testing, Malware Analysis, Data Privacy*  
*GPA: 3.85/4.0*
- Madan Mohan Malaviya University of Technology, UP** Gorakhpur, UP, India  
*B.Tech Computer Science* *April. 2017 - May. 2021*  
*Specialization: Computer Programming, Data Structures & Algorithms, Computer Organization, Theory of Computation, ML*

- **Languages:** *Advanced:* Python, Bash Scripting, MySQL, LaTeX *Familiar:* R, C
- **Frameworks:** *Advanced:* OSINT, OWASP, SIEM, ISO 27001, ISO 27002 *Familiar:* HIPPA, GDPR
- **Tools:** *Advanced:* Burpsuite, Nmap, Metasploit, Wireshark, Ettercap, Johnny, Dirbuster, Tableau, R Studio
- **Software:** *Advanced:* Nessus, Acunetix, VirusTotal, Splunk *Familiar:* Adobe Premiere Pro, Malwarebytes

- **Graduate Teaching Assistant** Fairfax, Virginia, USA  
*Department of Cyber Security Engineering* *Jan 2022 - Present*
  - Responsible for setting and maintaining course and lab work for graduate and undergraduate courses in Computer Networking (CYSE 230) and Cyber Security (CYSE 499/610)
  - Worked to facilitate classroom learning for over 80 students every semester, including assignment and exam grading and feedback, conducting office hours etc.
- **Cyber Security Intern and Enterprise Tester** Remote - California, USA  
*Virtually Testing Foundation* *Jan 2021 - Apr 2021*
  - Participated in the VT Cyber Security Internship to gain industry-level expertise in Kubernetes, hands-on VMware virtualization, and Network Security through Kube Academy courses and real-time bug identification
  - Earned promotion to **Enterprise Tester** and worked on the MITRE ATT&CT Navigator to find application bugs on AttackIQ courses
- **Vulnerability Assessment and Penetration Testing Intern** Remote - Gujarat, India  
*Bluefire Redteam Cybersecurity* *Apr 2021 - Jun 2021*
  - Gained expertise in Vulnerability assessment, Penetration Testing, and Post-exploitation
  - Contributed to the company's website content with 2 research blogs and a case study and delivered a mainframe talk at a company event
- **Cybersecurity Intern** Remote - New Delhi, India  
*Cyber3ra* *May 2021 - August 2021*
  - Hosted a Capture the Flag Challenge and **led the sponsorship team for the event**
  - Successfully worked to **acquire corporate sponsorship** to host the CTF Challenge
  - **Aided development efforts** to help enrich the quality of the event by creating custom CTF challenges
- **Cybersecurity Gurugram Police Internship** Remote - Haryana, India  
*Gurugram Police IT Cell* *June 2021 – July 2021*
  - Participated in a rigorous boot camp conducted by the police IT cell covering **essential modern-day cyber security standards and practices**
  - Attended expert-delivered talks and lectures on topics spanning **Social Media Crimes and Security, Financial Fraud, Cloud Security, Cryptocurrency Investigation, and Cyber Law**

- **Checkers Game**  
*React.js, Node.js, Socket Programming, MongoDB, Heroku*
  - Developed a **live online-multiplayer checkers game** using **socket programming** for concurrency.
  - Boosted secure access by implementing **multiple-level security through JSON Web Tokens** for user authentication and maintaining user sessions and **anti-CSRF tokens for authorization and prevention of attacks.**
  - Reinforced **high-security measures** and achieved debugging through **static code analysis using SonarQube, Vulnerability Scanning using OpenVAS, Zap, and DDOS using Golden eye.**
- **Malware Analysis**  
*IDA Pro, OllyDBG, FakeDNS, YARA, VirusTotal*
  - Conducted **exhaustive active malware analysis** in a safe virtual Sandbox environment by performing **Static and Dynamic Analyses and Reverse Engineering** to reveal the malware's function and capabilities
  - Produced an **original research paper** as a **detailed walk-through of the analysis, its outcomes, and the various tools leveraged for it**
- **Exploiting XSS, CSRF, and SQL Injection**  
*Burpsuite, CSRF Poc Generator*
  - Identified websites vulnerable to **XSS and CSRF attacks** and exploited them.
  - Created an **essential website with an SQL database to exploit SQL Injection**

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Cloud Security Alliance: CCSK V.4  
 | **EC-Council** : *CertifiedEthicalHacker* | **MTA** : *NetworkingFundamentals* | **MTA** : *SecurityFundamentals* |  
**CompTIA** : *Security+* | **CompTIA** : *CySA + CS0 - 003*