Sathwik Mohan Vallala

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EDUCATION

George Mason University — Fairfax, VA
*Master's of Science in Digital Forensics and Cyber Analysis - **3.83/4.0*** — *Jan. 2020 – Present*

Jewaharlal Nehru Technological University — Hyderabad, India
*Bachelor's of Technology in Computer Science Engineering - **4.0/4.0*** — *Aug. 2015 – Aug. 2019*

EXPERIENCE

Digital Forensic Research Intern — Dec. 2020 – Present
ADF Solutions Inc — *Reston, VA*
- Perform research on various applications for locations of digital evidence.
- Find digital evidence which can be used in the court of law.
- Write scripts to extract/parse the evidence.

Bug Bounty Hunter — Oct. 2019 – Oct. 2020
Freelance
- Find vulnerabilities in web-applications.
- Report any found vulnerabilities to the website owners.
- Perform vulnerability assessments.

Trainee Security Analyst — July 2019 – Oct. 2019
SOC Experts — *Bangalore, India*
- Perform organizational defense using different SIEM tools.
- Use tools like Splunk, IBM QRadar, LogRhythm, McAfee Security Manager to perform log analysis
- Perform basic digital forensics.
- Work effectively in a security operation center (SOC) simulation.

Security Analyst Intern — June 2017 – June 2018
Berry9 IT Services Pvt Ltd — *Hyderabad, India*
- Learn Ethical Hacking as passion.
- Work on penetration testing project of a health care project.
- Learn offensive hacking.
- Successfully earn CEH certification.

PROJECTS

Autopsy WhatsApp Plugin | *Python, Forensics, Evidence* — April 2020 – May 2020
- A plugin developed as a plugin which supports populer forensics tool *Autopsy* to extract and parse evidence from *WhatsApp* application in *Windows*

Chat over network with Python | *Python, Network, Encryption* — June 2018 – July 2018
- A project developed to with *privacy* as main focus.
- Chat between parties are encrypted from end to end.
- Server can be self hosted and can be connected from anywhere.

File Sharing | *PHP, HTML, SQL, Network* — March 2018 – April 2018
- A project developed to share files in the same network with password authentication and can be self hosted.

CERTIFICATIONS

Digital Evidence Investigator | ADF Solutions — December 2020
Certified Ethical Hacker | EC Council — October 2017

TECHNICAL SKILLS

Professional: Forensic Analysis, Malware Reverse Engineering, Network Forensics, Incident Response, Log Analysis, Security Event Management, Ethical Hacking, Vulnerability Assessment, Penetration Testing
Tools: EnCase, FTK, Autopsy, Falcon, WinHex, OllyDbg, Snort, Zeek, Hashing, Write Blocker, Splunk, IBM QRadar, Log Rhythm, Metasploit, Burpsuite, ZAP, OWASP, Linux, Nmap, Wireshark, Ettercap, Aircrack-ng, SQLMap, Hydra, John the ripper, Nikto, Nessus, Open Source Security Tools
Languages: Python, Bash, SQL(MySQL), PHP