

Sathwik Mohan Vallala

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EXPERIENCE

Digital Forensic Research Intern – ADF Solutions Inc, Reston, VA

DEC. 2020 – NOV. 2021

- Perform research on various user applications for critical evidence.
- Test and validate triage tools and evidence extractors.
- Write python scripts to extract/parse the artifacts.

Bug Bounty Hunter – Freelance, International

OCT. 2019 – OCT. 2020

- Find vulnerabilities in web-applications.
- Report any found vulnerabilities to the website owners.
- Perform vulnerability assessments.

Security Analyst Intern – SOC Experts, Bangalore, India

JUL. 2019 – OCT. 2019

- Perform organizational defense using different SIEM tools.
- Use tools like Splunk, LogRhythm to perform log analysis/monitoring.
- Learned basic digital forensics.
- Worked effectively in a security operation center (SOC) simulation.

Security Analyst Intern – Berry9 IT Services Pvt Ltd, Hyderabad, India

JUN. 2017 – JUN. 2018

- Learn practical Ethical Hacking.
- Work on penetration testing project of a health care and educational company.
- Successfully complete CEH certification.

EDUCATION

MS in Digital Forensics – George Mason University, Fairfax, VA

JAN. 2020 – PRESENT

- GPA: 3.88/4.0

Bachelor's in Computer Science Engineering – Jewaharlal Nehru Technological University, Hyderabad, India

AUG. 2015 – AUG. 2019

- GPA: 4.0/4.0

PROJECTS

Autopsy WhatsApp Plugin

APR. 2020 – MAY 2020 – GMU

[Github](#)

- A plugin developed as a plugin which supports popular forensics tool *Autopsy*.
- Extract and parse evidence from *WhatsApp* application in *Windows*.

Chat over network with Python

JUN. 2018 – JUL. 2018 – Self

[Github](#)

- 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.

SKILLS

Professional

Ethical Hacking
Vulnerability Assessment
Web Application Penetration Testing
Network Penetration Testing
Mobile Application Penetration Testing
Incident Response
Digital Forensic Analysis
Network Forensics & Memory Forensics
Malware Reverse Engineering
Security Incident & Event Management
Threat Hunting
Open Source Intelligence

Tools

EnCase, FTK, Autopsy, Falcon, WinHex, Black Bag, X-Ways, AXIOM, Volatility, IDA, Ghidra, Tcpdump, OllyDbg, Snort, Zeek, Hashing, Yara, Write Blocker, Splunk, IBM QRadar, LogRhythm, SOC, SIEM, DFIR, IOC, OSI Layers, Metasploit, Burpsuite, ZAP, OWASP, MITRE ATT&ACK, Nmap, Wireshark, Ettercap, TCP/IP, IDS/IPS, IPsec, Aircrack-ng, SQLMap, Hydra, John the Ripper, Nikto, Commix, Nessus, Kali, Linux

PROGRAMMING

Python
Bash
PowerShell
SQL
PHP

CERTIFICATIONS

Digital Evidence Investigator

ADF Solutions

DECEMBER 2020

Certified Autopsy User

Basis Technology

OCTOBER 2020

Certified Ethical Hacker

EC Council

OCTOBER 2017

VOLUNTEERING

KMIT Cyber Security Club

JAN 2019 – MAY 2019

Instructor

Street Cause

JAN 2016 – NOV 2016

Vice President