SAKET UPADHYAY CYBERSECURITY STUDENT

ABOUT ME

Research and result oriented cybersecurity student.

I like to experiment with old and new technologies and learn more about how it works by bending and breaking it and try to fix if it

actually breaks. I like to find simple solutions to challenging problems.

When not hacking I like to learn new languages or meet new people

EDUCATION

Vellore Institute of Technology

2018 - 2022 | CSE with specialization in Cybersecurity and Digital Forensics (B.Tech)

Kendriya Vidyalaya

2006 - 2018 | High School (10+2)

WORK EXPERIENCE

JUN-AUG RENAULT NISSAN TECHNICAL BUSINESS 2020 CENTER INDIA (RNTBCI)

RESEARCH INTERN

 Advance Cybersecurity Concepts in Connected Autonomous Vehicles

JUL-AUG AZURE SKYNET SOLUTIONS PVT. LTD

2019 PENETRATION TESTER (INTERN)

- TEST 5 ISOLATED SYSTEMS FOR VULNERABILITIES
- CREATE POC
- CREATE VULNERABILITY REPORT
- PATCH FOUND VULNERABILITIES

MISC. EXPERIENCE

JUL PolyX Malware Research Community Member

2020 Active Member since July 2020. | PolySwarm

JUL STUDENT ORGANIZING COMMITTEE

2020 International Faculty Development Program | VIT

JUN ORGANIZING COMMITTEE

2020 CyVIT'20 | VIT

DEC STUDENT ORGANIZING COMMITTEE

2019 19th International Conference on Hybrid Intelligent Systems | MIR LABS, VIT

DEC STUDENT ORGANIZING COMMITTEE

2019 15th International Conference on Information Assurance and Security | MIR LABS, VIT

APR TECHNICAL LEAD

2019 CyVIT'19 | VIT

TECHNICAL SKILLS

- Malware Analysis
- **Reverse Engineering**
- Vulnerability Assessment & Reporting
- Penetration Testing
- Technical Writing
- Secure Code Analysis

LANGUAGES & TECHNOLOGIES

- ASSEMBLY (x32, x64)
- METASPLOIT FRAMEWORK

C

BRUP SUITE

C++

MALTEGO

PYTHON

JAVA

- x32/x64 Debugger
- ANDROID (Java based)
- GHIDRA

RUBY

• GNU Debugger (GDB)

CERTIFICATIONS

Autopsy 8-Hour Online Training

APR 2020 | Basis Technology (ID - 16976888)

Fundamentals of Cyber Risk Management Public Version

APR 2020 | Cybersecurity and Infrastructure Security Agency (CISA)

Identifying Security Vulnerabilities in C/C++Programming

APR 2020 | University of California, Davis (Coursera)

Software Security

FEB 2020 | University of Maryland (Coursera)

Malware Threats

MAY 2019 | Cybrary (C-fbe069fd0-16d03e67a)

Advanced Penetration Testing

JAN 2018 | Cybrary (C-fbe069fd0-117bb4)

PROJECTS

NS3-Cybersecurity Simulations

Aug 2020 - Ongoing [see on GitHub] ()



SAMPARK: Website Connection Security Scanner May 2020 - Jun 2020 [see on GitHub] ()

Android Device Threat Report Generation using PACE framework and ADB

Jan 2020 - Mar 2020 (Research Project)

PACE: Platform for Android application Classification and **Evaluation**

Sep 2019 - Dec 2019 (Research Project)

Live Movement Tracing in Android using Polygraph lines.

Dec 2018 - Mar 2019 [see on GitHub] ()





saket-upadhyay.github.io/about

in www.linkedin.com/in/saketupadhyay/

twitter.com/x64mayhem

PUBLICATIONS

PACER: Platform for Android Malware Classification, Performance Evaluation and Threat Reporting

APR 2020 | Future Internet, MDPI https://doi.org/10.3390/fil2040066

PACE: Platform for Android Malware Classification and **Performance Evaluation**

DEC 2019 | IEEE International Conference on Big Data https://doi.org/10.1109/BigData47090.2019.9006557

HONORS AND AWARDS

Best Paper Award, IEEE

2019 | International Conference on Big Data 2019

1st Rank in DEFCON28 Secure Code Tournament

2020 | DEF CON 28 [SafeMode], SCW

1st Rank in DevSecCon24 Coding Tournament

2020 | Development Security Conference 24 (Singapore, Virtual Event)

Winner HackCoVIT'20 National Hack-a-thon

2020 | Vellore Institute of Technology, Bhopal

1st Rank in DerpCon 2020 SCW Tournament

2020 | Denver Enterprise Risk Professionals Conference 2020

TALKS

Malware Hunting with Machine Learning ()



2020 | Penn State World Campus Tech Club, Penn State, Pennsylvania

PACE: Paper Presentation, IEEE

2019 | International Conference on Big Data 2019, Los Angeles

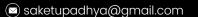
Malware Detection and Classification

2019 | 15th International Conference on Information Security and Assurance, VIT

LANGUAGES

Hindi English Russian





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