

YASHIT MAHESHWARY

[OSCP](#) | [Blog](#) | [GitHub](#) | [LinkedIn](#)

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DOB:

August, 1998

ACADEMICS

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| 2016 - PRESENT | B.Tech 4 th Year in COMPUTER SCIENCE AND ENGINEERING, IIIT , Delhi Major Courses: <i>Foundations to Computer Security, Network and System Security, Virtual Reality, G.P.U. Computing, Mobile Computing, Computer Networks, Data Structures and Algorithms, Operating Systems, Computer Organization, DBMS, Advanced Programming, Systems Management</i> |
| 2015 - 2016 | High School, Abu Dhabi Indian School , U.A.E. Majored in Computer Science (Programming with C++) GPA: 9.42/10 |

CERTIFICATIONS

MARCH 2019 | **OSCP** (Offensive Security Certified Professional)

AREAS OF COMPETENCE

- Network & Cyber Security *
- Machine Learning *
- Software Development
- Automation using RaspberryPi & Arduino
- Android App Development

* : *In Active Focus*

SKILLSETS

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| LANGUAGES | Python, Java, JavaScript, C++, C, C#, PHP, Assembly, LaTeX, Shell Script, MySQL, HTML & CSS |
| FRAMEWORKS & TOOLS | BurpSuite, nmap, IDA, Immunity Debugger, GDB, Git, Ansible, Terraform, Kong, Django, Flask, ReactJS, NodeJS, Android Studio, Unity, Raspberry Pi, Arduino, Curl, PwnTools, Firebase, JavaFX, Selenium etc. |
| MISCELLANEOUS | Adobe Premiere Pro, Davinci Resolve, Adobe Photoshop, Microsoft Office |

WORK EXPERIENCE

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| SEP,19-PRESENT | Security Engineering Intern at AppSecure, Inc. Mentor: Anand Prakash, Founder <i>Penetration Testing of Android and Web Applications. Development of tools to automate reconnaissance of targets.</i> |
| SEP,19-PRESENT | Undergraduate Researcher at IIIT, Delhi Title: Malware Identification through Behavioral Analysis ; Advisor: Prof. Arun Balaji Buduru <i>Working on Real-Time Detection and Classification of Malware based on System Behavior using Deep Learning Techniques</i> |
| JUL,19 - SEP,19 | Security Engineering Intern at Grofers Mentor: Avinash Jain <i>Developed an OAuth Proxy for Authentication and Tracking of Users in Internal Resources; Used Ansible to automate the deployment of the System</i> |

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| MAY,19 - JUL,19 | Security Analyst Intern at SecureLink Middle East Mentor: Reghu Mohandas, Director - Risk Analytics and Advisory <i>Penetration Testing of Web, Android and iOS Applications; Source Code Review of Android and iOS Applications; Application Threat Modelling; Professional Reporting of Vulnerabilities discovered during tests; Contribution to the SecureLink Vulnerability Management System.</i> |
| MAY,19-PRESENT | Security Researcher at Synack Red Team <i>Rank 468 as of 23rd May, 2019</i> |
| DEC,18 - JUN,19 | Research Intern at IIIT, Delhi Title: VoIP Censorship ; Advisor: Prof. Sambuddho Chakravarty <i>Reverse engineering censorship practices used by VoIP providers (like WhatsApp, Telegram, and Instagram etc.), to provide secure alternatives for the same. Analysis done using tools like Wireshark and RAW Sockets.</i> |
| MAY,18 - JUL,18 | Security Analyst Intern at BugsBounty Advisor: Himanshu Sharma, Founder <i>Acquired and implemented advanced Pen-Testing standards and techniques on Web Applications. Exploited machines from De-ICE and ACID Series in VulnHub. Contributed to the Django based Bug Hunting Platform.</i> |
| DEC,17 - JUL,18 | Software Development Intern at MoyoSolutions <i>Developed the Web Application for CarzRideOn (A Car Pooling Service) using PHP, Google and Facebook OAuth, Google Maps and Places APIs, Firebase Cloud Messaging (For Notifications) configured with a MySQL Database. Also added Google OAuth to the CarzRideOn Android Application and fine tuned the application based on the updates made to the Database Schema.</i> |

ACHIEVEMENTS

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| CURRENT | Co-Founder of d4rkcode , the only Computer Security Club at IIIT Delhi. <i>d4rkcode loves to discuss concepts like Advanced Cryptography, Forensic Analysis, Reverse Engineering, Web Penetration Testing and Binary Analysis and Exploitation. We also participate in (and conduct) International Capture The Flag Competitions. d4rkcode ranked 2nd in India and 95th Globally in 2017!</i> |
| SEP 2019 | Qualified for CSAW CTF'19 Finals. |
| JUN 2019 | Awarded the BlackHat USA Student Scholarship. |
| FEB 2019 | Stood 2 nd in the BITSCTF 2019 globally as d4rkcode . |
| NOV 2018 | Stood 3 rd in the CSAW CTF Finals 2018 (India Region; held at the IIT Kanpur Campus) and 19 th Globally as d4rkcode . |
| AUG 2018 | Stood 9 th (in Asia) in the Global Cyberlympics CTF 2018 (Ranked 41 st Globally) as Scrypter |
| NOV 2017 | Finalist for Globals Conference on CyberSpace CTF (Ranked 1 st in India and 2 nd Worldwide) as Scrypter |
| APR 2017 | Stood 2 nd globally in YubitSec CTF as Scrypter |
| MAR 2017 | Stood 4 th globally in Pragyan CTF as Scrypter |
| FEB 2017 | Secured first position at the Capture the Flag Competition hosted during the Security and Privacy Symposium by CERC at IIIT Delhi. |
| OCT 14,15 | Represented U.A.E. in the CBSE Swimming Nationals Championship in Meerut. |
| OCT 2015 | Secured Perfect Score in SAT Subject Tests (Physics, Chemistry & Mathematics). |
| APR 2014 | Winner of the Urban Biodiversity Challenge by Environment Agency Abu Dhabi |
| APR 2014 | Stood 3 rd in Research Report on "Food Wastage" by Environment Agency Abu Dhabi |

ACADEMIC PROJECTS SELECTED

- Dec 2018* | **Secure Banking System**
A Banking System developed in Django with major focus on use of secure software design principles. Additional Penetration Testing was done to ensure a secure workflow.
- Dec 2018* | **Fitness Partner**
An Android Application that allows users or groups to find like-minded partners for their Fitness Activities every day, and host games for others to join.
- Jul 2018* | **Crypto Cricket**
A collectible card trading platform based on the Ethereum Blockchain. Built using the Django Web Framework and Metamask.
- Jan 2018* | **ARM Simulator**
A Python GUI based ARM Assembly Simulator that executes ARM instructions like MOV, JMP, ADD, SUB etc and allows examining registers after analysis.
- Jan 2018* | **E-Commerce Platform**
A full fledged E-Commerce Website for Dresses. Backend completely built using the Django Web Framework in Python.
- Jan 2018* | **Image Clone Detector**
A Python based Multithreaded Application that detects and discards similar files (based on a threshold) from a Database using Image Processing. It also monitors new uploads and pushes the data to the Database based on the uniqueness.
- Aug 2017* | **ChatsUp**
An Android Application that allows users to Chat (made using Google Firebase).
- Jan 2017* | **Homie Bot**
A Personal Assistant Bot (Built using a Raspberry Pi) that can find missing items in a room just by Voice Commands. It can also update you with News, Weather, Send Mails etc.

INTERESTS AND HOBBIES

- Blogging
Here's the link to my [Blog](#)
- Freelancer
Domains like Web Development, Image Processing, Database Management and Web Scraping
- Programming Tutorials
Python and Android Application Development Tutorials on [YouTube](#)
- Active on Quora as [YashitM](#)
With about 0.5 Million answer views
- Travel to explore food, culture and nature's beauty
- Swimming
- Table Tennis
- Rubik's Cubes