

# Aakash Prasad

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Website: <https://skyseccoder.github.io/>

## EDUCATION

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**NORTHEASTERN UNIVERSITY**, Boston, MA

College of Computer and Information Science, **GPA: 3.66/4.0**

*Candidate for a Master of Science in Information Assurance and Cybersecurity*

Sept 2016-present

Expected graduation: Dec 2018

**VELLORE INSTITUTE OF TECHNOLOGY**, Tamil Nadu, India

School of Information Technology and Engineering, **GPA: 3.66/4.0**

Graduated May 2016

*Bachelor of Technology in Information Technology*

**Related Courses:** Network and Information Security

## TECHNICAL KNOWLEDGE

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**Language:** C, C++, Java, JavaScript (Node JS), HTML, Swift, Objective C, Python, High Level Assembly

**Operating System:** Mac OS, Windows 7-10, Kali Linux, CentOS, Ubuntu

**Tools:** Wireshark, FileZilla, NetWitness Investigator, Aircrack-ng, OpenVAS, Splunk, Suricata, Metasploit, FTK Imager, ProDiscover, SANS SIFT, Sleuth Kit, Autopsy, Xplico, VMware Workstation, Nessus, Burp Suite

**Compliance & Standards:** PCI DSS, HIPAA, SOX

**Cloud Platforms:** Amazon Web Services(AWS)

## ACADEMIC PROJECTS

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### Capstone project - Threat Hunter

- Developing a threat hunting architecture, sponsored by CISCO, via honeynet using deceptive technology to gather attack data in Splunk and make automated changes to firewall/IDS rules after analysis. This is done to proactively block such behaviour to the company's network

### Technical paper

Fall 2016

- "Implementing the Bell LaPadula model using homomorphic encryption", which provides more security to company data by using RSA encryption and access control lists.

### Web Application attacks

Spring 2017

- Discovered several security issues in WebGoat, Gruyere and DVWA and conducted several attacks using various attack vectors in order to better understand web application attacks.

### Denial of service payloads

Summer 2017

- Created several payloads for Denial of Service attacks in order to help system administrators and ethical penetrations testers to conduct attacks. (URL: <https://github.com/SkySecCoder/Simple-Forkbombs---DOS>)

## WORK EXPERIENCE

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**Brightcove**, Boston, MA

Jan – June 2018

Information Security Analyst

- Perform and address, threat and risk assessments on network, database and data centers.
- Monitor network and ensure that keys are properly encrypted and applied to the necessary environments

**Northeastern University**, Boston, MA

Sept – Dec 2017

Graduate Teaching Assistant for Foundation of Information Assurance course

- Assisted in designing labs and assignments.
- Responsible for grading assignments, class participations and laboratory exercises.

**Clinchpad Technologies**, Gurgaon, India

Feb – May 2016

Software Developer Intern

- Developed an iOS application for a social networking and ecommerce website, to maximise consumer base and retail options.

**Polaris Consulting & Services Ltd.**, Gurgaon, India

Dec 14 – Jan 2015

Software Tester Intern

- Found flaws in 2 projects that were being done by Polaris Consulting & Services Ltd. at the time by examining the code, to increase product efficiency and value.

**HCL Technologies**, Gurgaon, India

Jun – July 2015

Software Engineer Intern

- Developed a Telephone Billing System using Ajax, PHP and JavaScript which increased Hindustan Computers Ltd. Company (Gurgaon branch) productivity.