Vijay Anand P

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"Nothing worth gaining was ever gained without effort"

OBJECTIVE

To seek a challenging, hardworking and rewarding career in the field of Information Technology and Computer Security by using my skills to research attack vectors and solutions to mitigate them

EDUCATION

August 2012–2014	**M.Tech. in Cyber Security**, *Amrita Vishwa Vidyapeetham*, Coimbatore, Tamil Nadu, *CGPA: 7.3*/10.* **Upto Semester 3*
June 2012	**B.Tech. in Information Technology**, *Anna University, Chennai*, University College of Engineering Tindivanam, Villupuram, Tamilnadu. *CGPA: 7.41/10.*
March 2008	**12th Standard**, *Veveaham Higher Secondary School*, Dharapuram, Tamilnadu, *Score: 88.58%.*
April 2006	**10th Standard**, *St.Antony's Matriculation School*, Karur, Tamilnadu, *Score: 84.09%.*

COMPUTER SKILLS

Operating System	CentOS, Kali-Linux, Windows 7
Programming Languages	C, C++, JAVA
Scripting	Bash (Intermediate), Python (Intermediate)
Database	MS-SQL
Tools Used	Wireshark, VMware, Sqlmap, OWASP-ZAP, Gdb, IDA, OllyDbg, Tamper data, Voltality.py, Tcpdump, Hexeditor, Openssl, Sage, Hackbar

AREA OF INTEREST

Network Security, Mobile Security, Cryptography, Capture The Flag (CTF)

CONFERENCES

February 2014	Attended a two days **Nullcon - International Security Conference 2014** at Goa, about the future of information security and the next-generation of offensive and defensive security technology

Publications

March 2014 — Published a paper titled **A Novel Cloud Based NIDPS for Smartphones**, Second International Conference on Security in Computer Networks and Distributed Systems (SNDS'14), Springer in Communications in Computer and Information Science Series(CCIS), ISSN: 1865:0929, Volume 420, Page 473–484, March 2014

Projects

2011 December - 2012 May — Undergraduate project entitled **Mesh Based Peer to Peer Live Video Streaming Using Ant Algorithm**, about joining the different peers, requesting, retrieving and playing video segments using ACO(Ant Colony Optimization)

2013 July - 2013 December — Postgraduate project entitled **A Network Security as Service for Android Smartphones**, about providing an secure communication for smartphones and used statistical and rule-based approach to detectect the malicious traffic and apps

Experience

2014 January - 2014 June — **Masters-Intern** in **Symantec - ISS/Cyber Security Group** - Serve as Back-end components tester. Perform system, regression, negative, penetration (Security Audit fixes) and functional/performance testing on Red Hat Linux server applications and one windows applicaton using both automated and manual testing methods. Implemented the test plans and test cases.

Contributions: Got appreciation from my QA lead for automating the few manual test cases using bash script in Linux and also for validating the certificates created for RSA/DSA Algorithm in Openssl (Linux) and Python

Activities

Poster Presentation — A Journal paper titled **Providing UTM along with SIEM as a Security Services for Smartphones**, got accepted in Academic Science of Engineering (ASE), Third International Cyber Security Conference, Standford University, USA

Paper Presentation — A Journal paper titled **Providing UTM along with SIEM as a Security Services**, got accepted in IEEE Conference, The International Workshop on Distributed Mobile Systems & Services (DMSS-2014), in Maderia, Portugal organised by Queens University, Canada

Symantec — Participated in Symantec **Cyber War Games** which is conducted among all the Symantec Employees and scored 83rd position (Team Void)

CTF — Participated in **InCTF '14**, National level Capture The Flag Ethical Hacking contest. Completed 16th position (Team Ru3t3rz)

Participated and qualified for the finals in **InCTF '13**, National level Capture The Flag Ethical Hacking contest. Completed in Top 10 (Team Bithazorx)

Active member and playing for national and international event in **Capture The Flag**, a Cyber Contest for all security people

Regular blog writer and reader about CTF writeups and interesting security topics *http://l34rn-p14y.blogspot.in*

Leader Role — Acted as a **Class Representative** for the academic year 2012-2014