PRATEEK GIANCHANDANI

Information Security Engineer – Emirates Airlines

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I am currently working as an Information security engineer for Emirates airlines in Dubai, UAE. I love blogging about my work on my personal website.

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE, ROORKEE   **JULY 2007 TO JUNE 2011**

Bachelor of Technology in Electrical Engineering,
Major Project - Intrusion Detection using Reinforcement Learning (Awarded 9 out of 10)

EXPERIENCE AND PROJECTS

Information Security Engineer

EMIRATES AIRLINES – DUBAI, UAE   **JULY 2014 TO PRESENT**

I perform VAPT on web/mobile applications; create security tools for helping developers and add automation to our process. I am also involved in the innovation team for working on future technologies in aviation.

OPHIO TECHNOLOGIES - NOIDA, UTTAR PRADESH   **JULY 2011 TO JUN 2014**

Developing state-of-the-art mobile applications & performing security audits on the,
- 5 iOS Applications on the App store, lead developer for 3/5.
- Performed VAPT for Android & iOS Applications.

Freelance writer for Infosec articles

INFOSEC INSTITUTE   **OCTOBER 2011 TO PRESENT**

Wrote various articles in various domains related to information security such as Web Application Security, IOS Application security, Penetration testing etc.
- Complete list of articles: http://resources.infosecinstitute.com/author/prateek/

Security Researcher Intern

UNIVERSITY OF TEXAS AT ARLINGTON, USA - ARLINGTON, TX   **MAY 2010 TO AUGUST 2010**

Studied and carried out defenses against timing analysis attacks
- Performed an analysis to study which defense worked the best under different circumstances
- All experiments performed on Deterlab using more than 100 hosts at a time.
- Advisor: Dr Matthew Wright
  https://www.uta.edu/ra/real/editprofile.php?pid=215&onlyview=1

Remote Security Researcher Intern

BONSAI INFORMATION SECURITY - BUENOS AIRES   **MAY 2010 TO JULY 2010**

Developed a vulnerable virtual machine running on Ubuntu 10.04 server with 18 different open source web applications running
- Modified the source code of these 18 applications to insert different kinds of web application vulnerabilities, with focus on OWASP top 10 vulnerabilities.

DAMN VULNERABLE iOS APP   **JANUARY 2014 TO PRESENT**

(www.damnvulnerableiosapp.com)
- Created a vulnerable application to teach mobile developers the basics of mobile application security
- Project was included in
  OWASP https://www.owasp.org/index.php/OWASP_Mobile_Security_Project
- Awarded Security App of the week by Softpedia

LINKS

GitHub
Twitter
LinkedIn

SKILLS

GIT/Github
iOS /Android dev
HTTP Rest/ JSON APIs
Penetration Testing
Debugging
Reverse Engineering
Web Development, CMS
Octopress, Wordpress
Parse, Restkit

TOOLS

Kali linux
GDB, Hopper, IDA Pro
Cycript, class-dump-z
Nmap, Nessus, Msf
Dex2jar, apktool, introspy
IDB, genymotion
Appscan/Burpsuite

LANGUAGES

Objective-C
Python, C/C++
Html,Css,Javascript,Php,
Xml,Jquery

IN THE NEWS

The Register
Softpedia
International Digital-Times
The Hacker News

ETCETRA

I love climbing mountains, highest altitude 6153m