Shivam Dixit
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EDUCATION

Degree	Year	Institution/Board	CPI/%
B.Tech	2012-2016*	LNM Institute of Information Technology, Jaipur	8.5/10
XII	2011	Delhi Public School, Ghaziabad (CBSE)	88.4%
X	2009	Delhi Public School, Ghaziabad (CBSE)	83.8%

* Expected year of completion

WORK EXPERIENCE

Google Summer Of Code - OWASP Github   Summer '14
Developed a web application that offers CTF style challenges for learning web application security. Designed challenges that covers various security vulnerabilities like XSS, SQLi, session hijacking etc in web applications.

Mellon Labs - Web Developer Intern   Summer '13
Built a location sharing platform (Zeocode) that is used to encode geographical location and postal address for sharing. Also developed it's RESTful API for the mobile app and clients.

Mellon Labs - Student Employee   Aug '13 - Present
Working on the project 'Zeocode' as a part time student employee. Maintaining the current version and integrating new features in it.

PROJECTS

Information Visualization Github   May '13 - Dec '13
Defense Research and Development Organization (DRDO), Delhi
- Studied various techniques of data visualization and cognition.
- Developed a virtual reality model in Python (using "vizard" Library).
- Designed web based visualization Models in JavaScript using d3js library.

CASS - Two pass assembler Github   Nov '13 - Dec '13
The LNM Institute of Information Technology
- Designed our own 8085 like Instruction Set Architecture.
- Developed a two pass assembler in C++ for the same.
- Mitigates some of the limitations of the 8085 ISA like - less number of registers, more number of cycles, heavy dependency on accumulator etc.

OPEN SOURCE PROJECTS

phpMyAdmin Github   June '14 - Present
phpMyAdmin is an open source software written in PHP, intended to handle the administration of MySQL over the Web. Contributing to the project by fixing various bugs.

OWASP PHP Security Project Github   Sept '13 - Present
PHP Security Project provides set a of libraries to mitigate security vulnerabilities in web applications. Contributing to the project by fixing various bugs.

TECHNICAL SKILLS

Languages: C, C++, Java
Web Development: PHP, HTML/CSS, MySQL, JavaScript
Frameworks: CodeIgniter, jFramework
Libraries Explored: jQuery, d3js, jQuery-UI, bootstrap
APIs Explored: Twilio, Google Maps/Places API, OpenId, Google Charts
Others: Matlab, Octave, LaTeX, Shell Scripting, SED, gnuplot
Platforms: GNU/Linux, Windows

ACHIEVEME- NTS   Green coder on TopCoder
Selected in top 150 programmers (out of 10,000+ students) in National Programming League 2012 , NIT Warangal.
Secured 2nd position in Intra University Programming Contest 2014.
Secured 2nd position in Intra University Technical Quiz.
Secured 3rd position in Robot Race in national level technical fest held at LNMIIT.
Secured 3rd position in Intra University Programming Contest 2013.
Reported an XSS vulnerability in Twilio platform.

POSITIONS OF RESPONSIBIL- ITY		
	Web developer at Mellon Labs, Chennai.	June '13 - Present
	Teaching Assistant (TA) of Data Structure course.	Jan '14 - May '14
	Teaching Assistant (TA) of Computer Programming course.	May '14 - Present
	Table Tennis coordinator of LNMIIT.	June '13 - May '14
	Counselling Cell member and student mentor.	June '13 - May '14

Last updated: September 27, 2014