

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

AREAS OF INTEREST

Web Development
Web Application Security
Algorithms and Data Structures
Machine Learning

WORK EXPERIENCE

Google Summer Of Code - OWASP [Github](#) Summer '14
Developed a PHP/MySQL web application which provides an interactive teaching environment for learning web application security. It offers lessons in form of CTF style challenges. In each challenge the user must exploit the critical vulnerabilities in virtual environment to demonstrate their understanding.

Mellon Labs - Web Developer Intern Summer '13
Developed a location sharing platform ([Zeocode](#)) in PHP/MySQL + CodeIgniter MVC. It is used to encode geographical location and postal address to make it easy to share. Also developed it's RESTful API service.

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.

OTHER 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 3-D model in Python (using "vizard" Library).
- Designed web based Visualization Models in JavaScript using d3 library.
- Integrated web based model into the virtual world.

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++ Web Development: HTML5/CSS3, PHP + CodeIgniter, MySQL, Javascript Platforms: GNU/Linux, Windows Libraries Explored: jQuery, d3js, jQuery-UI, jframework, Bootstrap APIs Explored: Google Maps/Places API, Facebook, OpenId Others: Matlab, Octave, L ^A T _E X, Shell Scripting, SED, gnuplot												
ACHIEVEMENTS	<p>Reported an XSS vulnerability in Twilio platform.</p> <p>Selected in Top 150 Programmers who participated in National Programming League 2012 (out of 10,000+ students), held at NIT Warangal.</p> <p>Awarded ‘Scholar Badge’ for excellence in Academics by Mr. Salman Khurshied in year 2010.</p> <p>Secured 2nd position in Intra University Technical Quiz.</p> <p>Secured 3rd position in Robot Race in national level technical fest held at LNMIIT.</p> <p>Secured 3rd position in Intra University Programming Contest.</p>												
POSITIONS OF RESPONSIBILITY	<table> <tr> <td>Web Developer and system admin at Mellon Labs, Chennai.</td> <td>June ‘13 - Present</td> </tr> <tr> <td>Teaching Assistant (TA) of Data Structure course.</td> <td>Jan ‘14 - May ‘14</td> </tr> <tr> <td>Teaching Assistant (TA) of Computer Programming course.</td> <td>May ‘14 - Present</td> </tr> <tr> <td>Table Tennis coordinator of LNMIIT.</td> <td>June ‘13 - May ‘14</td> </tr> <tr> <td>Counselling Cell member and student mentor.</td> <td>June ‘13 - May ‘14</td> </tr> <tr> <td>Event Coordinator of Table Tennis in national level sports fest held at LNMIIT.</td> <td></td> </tr> </table>	Web Developer and system admin 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	Event Coordinator of Table Tennis in national level sports fest held at LNMIIT.	
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