**Rahul N Rana**

7/7, Rail Vihar, Gurgaon – 122 003 rahulxxx@gmail.com +91 – 96xxxxxxxx

4th year B.Tech Computer Science student at IIT Madras with excellent academic record and keen interest and practical exposure in the field of information security, especially web applications security.

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| **Education** |

B.Tech, Computer Science & Engineering 2010-14

IIT Madras, CGPA – 8.52/10

12th (Senior Secondary Examination) 2010

CBSE Board, 85%

10th (Secondary Examination) 2008

CBSE Board, 92%

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| **Technical Skills** |

* Programming Languages – C, C++, Java
* Web Technologies – PHP, MySQL, HTML, CSS, JavaScript

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| **Internships** |

**Web Development intern**, **XYZ Ltd. Jun-Jul’13**  
Worked on the backend development of a new portal using LAMP stack & CodeIgniter framework. I wrote a crawler that would parse through a pre-defined set of web pages (~1 Mn pages a day) and insert relevant data in desired format in the portal’s database tables.

Received **The Best Intern award** (among 35 interns) from the CEO of the organization.

**Research intern, Carnegie Melon University, USA Dec’12**

Underwent a 4 week fully sponsored classroom training program on research methodologies, tools & technologies. Also worked on a project in **speech technology track** which involved detecting key and chord in a given unfinished musical piece (used Hidden Markov Models), selecting a suitable ‘completing chord progression’ using music theory, and synthesizing the finishing phrase.

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| **Academic Projects** |

**Handwritten Digit Recognition Aug-Dec’12**  
As part of B.Tech. Research Project (6th Semester, team of two), we used techniques like Otsu's method and a Multi-Layer Perceptron, to achieve an accuracy of 95.6% in detecting legible Handwritten Numerical Digits. I was responsible for the GUI for the application that I developed using J2SE (Java).

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| **Trainings & Workshops** |

* Six weeks CEH (Certified Ethical Hacker) training & certification Jun-Jul’12
* Attended a 2 days workshop on HTML5 Nov’11

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| **Achievements** |

* Secured All India Rank 78 (99.9%ile) in JEE 2010
* Represented IIT Madras in Regional Finals of ACM-ICPC in 2012

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| **Extra-curricular Activities** |

* Branch Councillor for year 2012-13, responsible for training & placement activities for 120 students
* Have undergone 5 years of formal training in classical music (2005-10)
* Hobbies include reading sci-fi novels, trekking, and writing.