Rahul n Rana  
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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.

## **ACADEMIC QUALIFICATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **Program** | **Institution** | **CGPA** | **Completion** |
| B Tech (Computer Science & Engg.) | IIT Madras, Chennai | 8.52 | 2014 |
| XII | KV, CBSE Board | 85 % | 2010 |
| X | KV, CBSE Board | 92 % | 2008 |

## **TECHNICAL SKILLS**

Programming Languages:

* C/C++
* Java

Web Technologies

* PHP
* MySQL
* HTML, CSS

## **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.

## **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).

## **TRAININGS & CERTIFICATIONS**

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

## **ACHIEVEMENTS**

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

## **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