



## Vishnu Ravindra

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### Education

#### Master of Science in Computer Science

expected May 2016

Binghamton University, State University of New York – *Binghamton, NY*

GPA: 3.6/ 4.0

Relevant Coursework: Analysis of Algorithms, Design Patterns, Programming Languages, Programming System and Tools.

#### Bachelor of Engineering in Computer Science and Engineering

June 2013

Visvesvaraya Technological University - *Mandya, India*

GPA: 8.1 / 10.0

Relevant Coursework: Database Systems, Computer Networks, Data Mining, Network Security, Web Technologies.

### Technical Skills

- **Programming Languages:** JAVA, C, SQL, Python, Ruby on Rails
- **Web Programming:** HTML, CSS, JavaScript, jQuery, Angular JS, Bootstrap, Node.js
- **Tools:** Git, Rally, SharePoint, QuIX
- **Others:** Apache Cordova, iOS, Android

### Professional Experience

#### Software Engineering Intern – Hewlett Packard Enterprise, Palo Alto, CA

June 2015 - August 2015

##### HP OneView CRM Management of ToR switches

- Efficiently configured and thoroughly documented FEX and vPC for Cisco SNMP 55xx and 60xx switches.
- Designed and created UI for different switches and connection to the enclosure by parsing the JSON responses.
- Spearheaded viable options and delivered connected racks of the enclosure through vPC.
- Developed several function using JavaScript to validate certain fields based on the user roles.
- Strategized and scripted test cases in Python for test automation.

#### Trainee Software Engineer – SPAN InfoTech India Pvt. Ltd., Bangalore, India

August 2013 - July 2014

##### Timesheet Entry and Inventory Control

- Conceptualized and developed integrated mobile payroll and time entry application using Apache Cordova.
- Rendered the JSON response based on roles for Timesheet app and items for Inventory app.
- Recommended Apache Cordova as the development frame work with JavaScript as a main code base.
- Published in iOS, Android and Windows Phone incorporating native application behaviour changes.

#### Software Developer Intern - NuWare Systems, Bangalore, India

February 2013 - April 2013

##### EmotiMe

- Developed hybrid application compatible with iOS and Android platform.
- Identifies and developed all required functionalities in JavaScript as a code base with Appcelerator Titanium as the framework.
- Successfully leveraged Camera and Gallery API of the Appcelerator to access the photos and edit them.

### Academic Projects

#### Student Backup Record – Binghamton University, NY

Fall 2015

- Developed two binary search trees on which one was the primary record and the other was the backup.
- Implemented using Observer design pattern making the primary as a source and the other as the listener.

#### Democratic Initiatives – Binghamton University, NY

Spring 2015

- Designed and developed a web application on Ruby on Rails to exchange the citizen's views on the political forum.
- Leveraged and integrated with other technologies including HAML, SQL lite and published in Heroku.
- Adopted agile practices for efficient development.

#### XML Serializer – Binghamton University, NY

Fall 2015

- Created a generic library to serialize and de-serialize objects.
- Converted objects into a wire format using dynamic proxies and Java reflection so that addition of new objects or serialization formats will reduces the ripple effect.
- Implemented using Singleton and Strategy design pattern. Override equals and hash code methods to compare objects.

#### 2D-Break out Game – Visvesvaraya Technological University, Mandya

Spring 2013

- Implemented using pure JavaScript and rendered on HTML5.
- Created blocks and the ball using canvas tag and designed using the CSS.

#### Employee Self Service Portal – Visvesvaraya Technological University, Mandya

Spring 2013

- Collected the relevant data points and categorized them as Personal, Leave, Salary and Attendance details.
- Created tables with needed attributes and related those tables using Microsoft Visio.

### Volunteer Activities

- Participated in 21<sup>st</sup> World Scout Jamboree held at Chelmsford, London, UK.