

## **EDUCATION**

### **University of California, Los Angeles, CA**

**Sep. 2014 - Dec. 2015(Expected)**

Master of Science in Computer Science.

GPA : 3.95

Course work : Advanced Computer Networks, Current Topics in System Design / Architecture, Web Applications, Language and Thought, Cryptographic Protocols, Signals and Systems, Web Information Management, Graphs and Network Flows, Scalable Internet Services.

### **University of Mumbai, Mumbai, India**

**Jul. 2011 - Jun. 2014**

Bachelor of Engineering in Computer Engineering.

GPA : 3.9

Course work : Analysis of Algorithms, Database Management Systems, Mobile Computing, Computer Networks.

## **TECHNICAL SKILL SET**

Programming : Java, Python, Ruby, R, Basics of C and C++.

Web Technologies : HTML, CSS, PHP, Drupal CMS, JSP, Servlets, JavaScript, AJAX, XML, XSL, Xquery, AWS, EC2.

Frameworks : JSP, Rails.

Tools : NetBeans IDE, Eclipse IDE, XAMPP, LAMPP, NS-2, NLTK, Lucene, Tsung.

Packages : Android SDK, SQL, MySQL, Oracle, JDBC, MS Access.

Operating Systems : Windows, Ubuntu, Raspbian, Mac OS.

## **EXPERIENCE**

### **Webtech4ever - www.webtech4ever.com**

**Jun. 2011 – Jun. 2014**

- Initiated a small startup company - webtech4ever and worked as a part time web developer, designed websites, resolved errors by walking through the code and seeking help from online forums.

- Developed an e-commerce website using PHP-MySQL and 9 websites using Drupal Content Management System, html,php.

## **ACADEMIC PROJECTS**

### **Application Tracker**

**Ruby on Rails, AWS, EC2, Tsung**

**Apr. 2015 – Jun. 2015**

- Developed a web application that allows students to apply to the university, reviewers to evaluate and admit/reject the students and view statistics pertaining to the previous/current year admissions using google maps and pie charts.

- Will be making the application available as a AWS and will test application using test scripts and Tsung.

### **Blog Posts Classifier**

**Python, NLTK**

**Apr. 2015 – Jun. 2015**

- Developing Blog classifier using NLP techniques – tokenization, stemming, stop word removal, TDF matrix and ontological classification.

- Will be using tags, body and comments for classification and will compare against LDA technique for blog classification.

### **Ebay Auction Service**

**Java, JSP, Servlets, XML, MySQL**

**Jan. 2015 – Mar. 2015**

- Developed webservices - itemService and keywordSearch for retrieving ebay item data and performing a keyword search.

- Designed google suggest for keywordSearch webservice and imposed security on website using SSL in Tomcat Server.

### **Phishing Email Detector**

**Python, NLTK, Matlab**

**Jan. 2015 – Mar. 2015**

- Developed Phishing email detector using NLP techniques – stemming, tokenizing, spellchecking, regular expressions, TDF Matrix, PLSA Model and Adaboost techniques.

- Achieved 75% accuracy in detecting the phishing emails correctly.

### **Smart Pi**

**Java, Android SDK, PHP, MySQL**

**Sep. 2013 – Jun. 2014**

- Reduced the power consumption and optimized the cost by 80% by replacing laptops used at the university with Java server enabled Raspberry Pi that was controlled by a Bluetooth enabled Android remote control.

- Developed a web application using PHP-MySQL to transfer files to the Raspberry Pi server over LAN.

### **Conference Assistant**

**Java, JFrames, JDBC, SQL**

**Jan. 2013 – Jun. 2013**

- Accomplished attendance recording in conferences by implementing context-awareness using Bluetooth and reduced 75% of the time required in marking attendance at conferences.

- Designed Java server application with MS Access database which marked attendance, generated attendance reports and allowed sending information to the conference attendees.

### **TCP Simulation for Iridium Networks**

**NS-2**

**Sep. 2014 – Dec. 2014**

- Simulated the behavior of TCP variants in the satellite network and found that TCP Hybla performs the best.

- Consolidated the findings by testing TCP Hybla performance under exponential traffic.

## **INDEPENDENT PROJECTS**

### **Invoice Manager**

**Java, Android SDK**

**Sep. 2014 – Nov. 2014**

- Designed an android application for invoice generation and tip calculation based on the ratings provided by the customer.

### **X-Retriever**

**XQuery, XML, XSLT**

**Sep. 2014 – Dec. 2014**

- Created tables using xml, fired temporal queries using xquery and designed attractive stylesheets to visualize the results.

## **PUBLICATIONS**

- "Smart Projectors using Remote Controlled Raspberry Pi" - IJCA, Nov. 2013, Vol.8, No.16. (Best project out of 25 teams.)

- "Conference Assistant : Bluetooth Based Context Aware Application" - IJERT, Sep.2013, Vol.2, Issue 9.

- "Crowd Management using Viola Jones Algorithm and Heuristic Data Mining" - IJCA, Dec. 2013, Vol. 84, No. 17.