EDUCATION

Bachelor of Engineering, Information Technology   June 2015
V.E.S Institute Of Technology, Mumbai, India   GPA: 4.0* Percentage: 82.48%

TECHNICAL SKILLS

Programming Languages: Java, C, C++, R **Web Technologies**: HTML, CSS **Backend Technologies**: JSP, PHP, Ruby on Rails (ROR) **Databases**: SQL, MySQL **Application Software**: SQL server 2008, NetBeans IDE, Java WTK, Eclipse, Adobe Flash Builder **Scripting Language**: Python, JavaScript

EXPERIENCE:

NSI Infinium Global Pvt. Ltd. – Infibeam.com   July 2015- present
Position: Software Engineer
Technologies used: Ruby on Rails (as backend developer), HTML-CSS (Frontend), JavaScript (Scripting language) with libraries including JQuery.
I worked on following tasks:

- *Assisted in preparation of web based, production applications and prototypes through RoR web development.*
- *Developed a website in MVC architecture from scratch using Rails and various gems.*
- *Developed scalable solutions for collection of data and delivery of timely and efficient solutions.*
- *Implemented slow-query-log mechanism to improve database performance.*
- *Executed processes for development of existing backend applications and server systems.*
- *Designed new backend features and services to support client applications*
- *Implemented Ajax for dynamic updating of the part of a page, avoiding full page refresh.*
- *Implemented security and data protection mechanisms against session hijacking.*
- *Resolved operational and development issues by proper and timely resolution and handling.*
- *Set up and maintained applications on Amazon Web Services.*
- *Designed and implemented database architecture for applications using various databases (MongoDB, MySQL).*
- *Communicated weekly reports to team members*
- *Developed test drive / test first unit tests using Rspec.*
- *Implemented all the API's and functionality utilizing TDD principles like rspec, factorygirl for mobile applications.*
- *Developed interface for AWS S3 to Rails application communication channel using paperclip and aws-s3 gem.*

ACADEMIC PROJECTS

1. **College Website:** Designed a website to get information about different academic courses, college events and announcements. *HTML, CSS, JavaScript, JSP, SQL Server*
2. **Secure IT**: Developed a project that ensures safe online transactions using phishing detection approaches to secure users from malicious websites, image encryption, audio steganography for hiding message, handwriting recognition for digital signature and also offline browsing which makes web pages accessible even if internet is not available. The project is mainly developed for corporate firms. *Java Swing, SQL server 2008.*
3. **Online Polling System**: Designed a polling system that facilitates users to caste vote for a polling question. *HTML, PHP*
4. **Automated Ballot System**: Developed a voting system that facilitates voters to cast their votes for election. *HTML, CSS, JSP*
5. **Mobile Yellow Page**: Developed a project that helps users to find and tract the nearest venues from the given categories in few clicks and gives most relevant information about the places user is looking for and get the complete address of the place. *J2ME*
6. **Advertising analytics on a Dashboard**: Developed a project that helps the advisor how advertisement has affected its Sales by measuring and converting the user activities to equivalent numbers. *HTML, CSS, PHP, MySQL*

7. **Hungry Hero Game**: Developed a game which aims at feeding maximum food by avoiding obstacles to score maximum. *Java, Adobe Flash Builder 4.7, Flash player, Starling framework*
8. **Tupperware website**: Designed a website of home products line that prepares and serves kitchen and home products online. *HTML, CSS, PHP, MySQL*
9. **Railway reservation system:** Developed a system to automate the process of day-to-day activities of railway like Reservation, show train timings etc. *Visual Basic, SQL server*

TECHNICAL PAPER PRESENTATION AND PUBLICATIONS:

1. **Technical paper presentation on**
   Neural interface technology which deals with communication between the nervous system and the outside world either by simulating or recording from neural tissue to assist people with sensory motor or other disabilities of neural function.
2. **Papers published in IJCEA**
   1. *Advertising analytics on a dashboard*
      Paper focuses on developing a platform which would be primarily focused at measuring and converting the user activities to numbers that tell the advertiser how it has affected the conversion rates and returns. This also helps the companies to forecast their sales based on the current trends.
      Link: http://www.ijcea.com/wp-content/uploads/2015/04/16-Neha-Puthran-et-al..pdf
   2. *3D PASSWORD – Modern approach to security*
      Authentication is provided to protect a system from potential threats and to ensure that only authorized people can have right to use or handle that system and data related to that system securely. Hence this paper mainly focuses on 3D Password which is a multifeature, multi-factor authentication scheme that combines the benefits of currently used authentication schemes into single 3D virtual environment.
      Link: http://www.ijcea.com/wp-content/uploads/2015/11/04-Komal-Mukadam.pdf
   3. *Ruby on rails: The new GEM of web development*
      Paper focuses on Ruby on Rails which is a web application framework written in Ruby, a dynamically typed programming language. It is an open-source web framework that's optimized for programmer's happiness and sustainable productivity. It lets you write beautiful code by favouring convention over configuration. The amazing productivity claims of rails is the current buzz in the web development community.
      Link: http://www.ijcea.com/wp-content/uploads/2016/06/Microsoft-Word-01-Anagha-Kelkar1-11.docx.pdf

ACHIEVEMENTS:
1. College Topper of INFT Department throughout entire bachelors program.
2. Secured Fourth Rank in Mumbai University in final year of bachelor of engineering, information technology.
3. Ratan-Tata scholarship for entire bachelors program.

CO-CURRICULAR ACTIVITIES:
1. Participated in LBS (Learning beyond syllabus) project entitled *Secure IT* (2014)
2. Participated in J.A.Titan Competition organized by Deloite
3. Cleared IIT-B certified Python exam conducted by CSI
4. Assistant Event Head for Debate and Clink (2013) and Event Head for Debate during UTSAV (2014).
5. Secured 3rd prize in the event *The Hidden Cipher*(Coding Event) conducted by CSI-VESIT
6. Secured 2nd prize in the event *Noticed Unnoticed* conducted by ISTE-VESIT