

## EDUCATION

**The University of Southern California**, Los Angeles, California

May 2019

Master of Science in Computer Science | GPA 3.65/4

Coursework: *Analysis of Algorithms, Database Systems, Web Technologies, Applied Natural Language Processing*

**Vivekanand Education Society's Institute of Technology**, Mumbai, India

May 2015

Bachelor of Engineering in Information Technology | GPA 3.95/4

College topper for entire bachelor of engineering | fourth rank in Mumbai university

Coursework: *Data Structures and Algorithms, Game Programming, Internet Programming, Operating Systems, Artificial Intelligence, Software Engineering*

## TECHNICAL SKILLS

Programming Languages: Ruby(Ruby on Rails), Java, C, C++, R, Python

Databases: MySQL, SQL, MongoDB, PostgreSQL, Gremlin

Web-based languages: JavaScript, HTML, CSS, JSP, Servlets

Application Software: SQL server 2008, NetBeans IDE, Java WTK, Eclipse, Adobe Flash Builder, Bootstrap, Git

## WORK EXPERIENCE

**Software Engineer** at Infibeam.com, Mumbai, India (Ruby on Rails, HTML, CSS, JQuery)

July 2015 – June 2017

- Managed web based, production applications and prototypes through RoR web development.
- Developed scalable solutions for collection of data and delivery of timely and efficient solutions.
- Performed security and data protection mechanisms against session hijacking.
- Implemented Ajax for dynamic updating of part of a page, avoiding full page refresh.
- Designed and implemented MVC and database architecture for applications with various databases (MongoDB, MySQL).
- Created test drive / test first unit tests with Rspec.
- Executed API's and functionality utilizing TDD principles (Rspec, Factory girl) for mobile applications.
- Created interface for AWS S3 to Rails application communication channel using paperclip and aws-s3 gem
- Led team of 3 in execution of slow-query-log mechanism to improve database performance up to 70%.
- Collaborated with product management & user experience experts regarding product definition, schedule & scope.
- Set up and maintained applications on Amazon Web Services and handled projects through Git.
- Resolved operational and development issues by proper and timely resolution and handling.

## PROJECTS

**Rewards and loyalty system (Infibeam.com)** [HTML, CSS, Ruby, Rails framework]

July 2015 – June 2017

- Developed loyalty program system where customers earn points based on sales or special events. Features: Mobile API, Mobile connect panel, Exotel SMS, Data analytics

**Reverse auction (Infibeam.com)** [Ruby, Rails framework]

July 2016 – October 2016

- Created APIs for mobile application in which buyers put up a request for a required good or service and sellers bid for the prices at which they are willing to sell their goods and services. Features: Mobile API and backend panel.

**Advertising analytics on a Dashboard (Academic Project)** [HTML, CSS, PHP, MySQL]

July 2014 – May 2015

- Analyzed how advertisement has affected its sales by measuring and converting user activities to equivalent numbers.

**Secure IT (Learning Beyond Syllabus Project)** [Java Swing, SQL server 2008]

July 2013 – May 2014

- Ensured safe online transactions using phishing detection approaches to secure users from malicious websites, image encryption, audio steganography for hiding message and offline browsing to access webpages without internet. The project is mainly for corporate firms.

**Hungry Hero Game (Academic Project)** [Java, Adobe Flash Builder 4.7, Starling framework] July 2014 – December 2014

- Designed a game which aims at feeding maximum food by avoiding obstacles to score maximum.

**Tupperware Website (Academic Project)** [HTML, CSS, PHP, MySQL]

January 2015 – May 2015

- Designed a website of home products line that prepares and serves kitchen and home products online.

## AWARDS and ACTIVITIES

- Assistant Event head and Event head of Debate team at technical event PRAXIS at VESIT.
- IIT-Bombay certification for Python and Edureka certification for Big data & Hadoop developer and R language.
- Awarded Ratan-Tata scholarship by Sir Ratan Tata Trust for securing first rank in entire bachelor's program.