

## Aditya Varma

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### Technological Skills

- **Programming Languages**

C/C++, Python, Ruby, Java, HTML, CSS, JavaScript, JQuery

- **Technologies**

Git, MySQL, NoSQL, Mongoddb, Rails, AWS, Nginx, IIS, NLTK, Sentiwordnet

### Work Experience

#### GrabOnRent

Sr. Software Engineer, Sep 2016 – Current

- **Inventory Management (Current)**

- Building an in house inventory and ware house management software for custom rental needs.
- Tracking of the inventory item on real time basis, bar code integration.

- **Installments**

- Worked on payment related part for installments, mailers, remainder sms.
- Provided an option for payment confirmation from dash board.

- **Freshdesk Integration**

- Automatic ticket generation, status updates and assignment to teams (operation, customer support, vendor management) for tickets on fresh desk.

- **Tookan Integration**

- Creation of tokan tasks for hustlers to pick up, delivery items automatically when an order has been confirmed.
- Creation of reverse pick up, delivery tasks when an order has been fulfilled.

#### Freelance

Full Stack Developer, Mar 2016 – Aug 2016

- **Scrapper**

- Wrote crone jobs to fetch data from various web sources and keep the database updated with latest data.
- Developed using mechanize and selenium modules in python and ruby.

- **Website**

- Built a rental website and exposed api's for android development.
- Collaborated with various developer across different time zones.
- Built using ruby on rails, mongoddb, html, css, bootstrap.

#### Zoomcar (<https://www.zoomcar.com/>)

Software Development Engineer, June 2015 - Feb 2016

Project Work

- **Gift Cards**

- Integrate e-gift card option provided by Qwikcilver.
- Uses soap protocol to communicate with Qwickcilver for purchase, redeem, refund, balance and various other operations on e-gift cards.
- Decoupled payment flow with booking for purchase of e-gift cards, which was a major change in the system.

- **Search Optimization**
  - Optimized the search algorithm to reduce the search time from 10 seconds to 6 seconds which increased the number of bookings to 65%.
- **Web Security**
  - Static analysis security of the codebase using brakeman and fixed 247 security issues (remote code execution, sql injection, cross site scripting, various others)
- **Find My Car**
  - Customer's can navigate to car using latitude and longitude of the car before 15 minutes of car allocation, no fleet interference required.
- **Double booking**
  - Prevented allocation of same car to multiple users.
  - High customer satisfaction due to reduced number of cases of no car available.

**Codenation** (<http://codenation.co.in/>)

Intern, Feb 2015 - March 2015

- **Leadership**
  - Migrating and creating AWS Elastic Bean Stalk application for reviving Leadership.com website which was obsolete.
  - Technologies Used: AWS Bean Stalk, Amazon Relational Database Service, Tomcat, Jrun, Nginx, IIS.

**Center for Internet and Society** (<http://cis-india.org/>)

Intern, May 2013 - June 2013

- **NVDA** (<http://www.nvaccess.org/>)
  - Open source screen reader for Microsoft Windows.
  - Fixed a bug where the screen reader was not able to differentiate whether the sentence under the mouse is an url or plain text in Microsoft word.

## **Education**

Maulana Azad National Institute of Technology Bhopal

B.Tech Computer Science & Engineering, 2011-2015, CGPA: 7.7

Personal Work

- **Aspect Extraction from User Generated Contents**
  - The aim was to work out a tool which summarizes the user reviews and provides standings for the top features of a product from its opinionated reviews.
- **Sentence Level Sentiment Analysis**
  - Project involved determining the polarity of a review.
  - Accomplished by POS tagging all the reviews and finding corresponding polarity values.
- **Autocomplete Suggestions**
  - The project involved implementation of auto complete by displaying suggestions, accomplished by using Trie data structure.
- **Spoj Auto Hide Comments**
  - Developed an add-on for Firefox which auto hides comments on Spoj.

### Programming Achievements

- Ranked 34<sup>th</sup> in India (95<sup>th</sup> in world) in May short challenge 2015 of code chef.
- Ranked 6<sup>th</sup> in JNTUV, Code</> challenge held in April '14.
- Ranked 14<sup>th</sup> in India (63<sup>rd</sup> world) in 101 Hack June'14 challenge of Hacker Rank.
- Ranked 17<sup>th</sup> in the world in Awesome April challenge of Hacker Earth 2014.
- Founding member of MATRIX, programming society in our college.
- Ranked 33<sup>rd</sup> in India (103 world) in January short challenge and 65<sup>th</sup> in India (183<sup>rd</sup> world) in January long challenge 2014 of code chef.

### Extra-Curricular Activities

- Holding positions of responsibility in Research and Innovation Forum and MATRIX.
- Ranked 4<sup>th</sup> in GreenX event as a part of Go Green Forum in Technix – Annual Tech fest of IIT-BHU.
- Organized two events, Code Poker and Treasure Hunt for Techno search 2012- the annual tech fest of NIT Bhopal.
- Completed “Algorithms: Design and Analysis, Part 1” course offered by Stanford University through Coursera and Completed “Introduction to Computer Science and Programming” course offered by The Massachusetts Institute of Technology through edX.