

# Abhishek Vijay Bhave

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## EDUCATION

**Master of Science, Computer Science, University at Buffalo - GPA: 3.251/4** *Expected: Feb 2020*

**Bachelor of Engineering, Information Technology, University of Mumbai - GPA: 3.3/4** *May 2018*

## EXPERIENCE

### Software Engineer Intern, Sodexo, Buffalo

June 2019 – Aug 2019

- Automated cloud Azure deployment process for Retail Ranger infrastructure.
- Deployed resource groups and resources using ARM templates.

### Web Development Intern, Swadhar Trust, Mumbai

June 2017 – Aug 2017

- Interned at a women's welfare organization to build and support a website for the organization.
- Implemented website using HTML5, CSS3 and jQuery. Responsible for entire SDLC cycle.

## ACADEMIC PROJECTS

### Simple Dynamo

April 2019 – May 2019

- Distributed key-value storage system that provides both availability and linearizability via consistent hashing and chain replication and failure handling in Android using Java.
- Effectively handled concurrent read and writes to the system even under failures while ensuring that every read returns the most recent write.

### Large scale Text processing with Hadoop Map Reduce and Apache Spark

March 2019 – April 2019

- Performed word count and word co-occurrence on data extracted from Twitter, NYTimes API and Common Crawl.
- Used MapReduce for this computation and Tableau to visualize the results.

### Personalized Evaluation & Education through Gamified Learning

September 2017 – March 2018

- Evaluating and improving education through gamification by enhancing student's involvement in learning.
- Enhanced the teaching learning experience by personalizing education.
- Built the back-end of the application using C# and SQL server.

### Distributed Hash Table based on Chord

February 2019 – March 2019

- Multiple Android devices form a Chord ring and serve insert, query and delete requests in a distributed fashion.

## PROGRAMMING SKILLS

**Software:** Java, Python, R, JavaScript, C/C++, SQL, C#, Node.js, SQL, MongoDB, Django, Bootstrap, Android

**ML/AI:** Open CV, TensorFlow, NumPy, Keras, Pandas, Sklearn, Matplotlib, BeautifulSoup, Hadoop, Apache Spark

**Miscellaneous:** Linux/Unix OS, Azure, AWS, Cloud, Data Science/Analytics, Git, Unit Testing

## PROJECTS

- Image to Image Translation using cGANs:** Implemented scenery to image translation using conditional GANs.
- Exploratory data analysis in R:** Goal was to extract, process and visualize data in R.
- Digit Recognition using Ensemble Classifier:** Implemented logistic regression, SVM, Neural Networks for prediction of digits from images.
- Credit Card Fraud Detection:** Implemented fraud detection using supervised learning on 280,000 transactions.
- Banking Account Project:** Effectively handled creation of new checking and savings accounts
- Twitter Bot in Python:** Post tweets to Twitter using Tweepy and BeautifulSoup.
- Football Blog App:** Implementing blog app using Django and Python.
- Image Panorama:** Image Stitching using Homography & Fundamental matrix.

## RELEVANT COURSEWORK

- Analysis of Algorithms, Data Intensive Computing, Introduction to Machine Learning, Distributed Systems, Advanced Machine Learning, Computer Security
- Data Structures, Databases, Object Oriented Programming, Operating Systems, Computer Networks