# Keval Khara

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## EDUCATION

**Master of Science, Computer Engineering** **Sept'17 - Jan'19**
Boston University, Boston, USA **GPA**: 3.73/4.0

- Coursework: Algorithms (CS 330), Advanced Data Structures (EC 504), Artificial Intelligence (CS 640), Machine Learning (CS 542), Cloud Computing (EC 528), Computational Tools for Data Science (CS 506)

**Bachelor of Engineering, Electronics and Telecommunication** **July'13 - June'17**
University of Mumbai, Mumbai, India

## EXPERIENCE

*Software Engineering Intern,* **Viasat Inc.,** USA **June'18 - Aug'18**

- Built a next-generation orchestration platform for 12-factor apps at Viasat, to meet the need for a simple platform to run general-purpose (e.g. web) apps with little operational overload
- Developed the REST API and CLI for the platform. Modeled the PostgreSQL database and used Object-Relational Mapping for Golang to reduce development time and achieve a richer query capability

*Software Development Engineer,* **BU Spark**, USA **Jan'18 - May'18**

- Developed a Recommender System for a Social Interior Design Company called Printz (http://www.printzdesigns.com/), to revamp their E-commerce platform for increasing sales and better customer retention
- Built a dynamic website using Bootstrap, PHP and MySQL, for an upcoming venture aimed at motivating children as well as adults to pledge to a healthier and a sustainable lifestyle

*Research Assistant,* **Boston University**, USA **Dec'17 – May'18**

- Worked with Dr. Renato Mancuso on developing an Autonomous Race Car with an objective to train a model that can provide coarse grained localization without using GPS. Examined different approaches to develop new algorithms for Computer Vision involved in Autonomous Vehicles, to address the current safety concerns

## PROJECTS

**Full Stack Data Science** **July'18**

- Built a full stack data science web application at the Viasat Intern Hackathon using Django and PostgreSQL, to increase customer engagement by prioritizing and categorizing customer reviews
- Preprocessed the raw data to implement Doc2Vec algorithm and an SVM classifier for the machine learning model

**Fake News Detection** **Feb'18 - May'18**

- Developed a machine learning program to identify unreliable news based on its content. Achieved an accuracy of 94.53% using a Long Short-Term Memory (LSTM) model

**Big Data Containers** **Feb'18 - Apr'18**

- Built an Open Service Broker for the Dataverse API on the Massachusetts Open Cloud (MOC) to enable Big Data Analytics applications on OpenShift environment to consume data from Dataverse
- Collaborated with mentors from RedHat, MOC and the Dataverse team at Harvard University

**Network Visualization for Big Data** **Feb'18**

- Built a web application using JavaScript, HTML5 and CSS for better visualizing, managing and analyzing a complex network of nodes within a large dataset. Came in 2nd Place at MIT CAVE Lab Hackathon 2018

**Local Social Networking Android Application** **Oct'17 - Nov'17**

- Developed an Android application for social networking using Google's Firebase and Android Studio, to address the need for a new platform for local events and advertisements

## TECHNICAL SKILLS

- **Languages**: Python, Java, Go, C++, JavaScript, Bash, SQL, C#, HTML5, PHP, CSS, Assembly, Verilog
- **Platforms**: AWS, Docker, Kubernetes, Django, MySQL, React, Android Studio, Spark, MATLAB, Visual Studio

## POSITIONS OF RESPONSIBILITY

- **Educator** at Jayantilal Municipal School, introduced the students to programming languages like C++ and Python
- **Event Manager** at the College of Engineering, organized and managed various events like Robotics, Java Tutorials, tournaments for Soccer and Cricket during college festivals. Directed a team to work under rigid deadlines