

# Keval Khara

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## EDUCATION

### Master of Science, Computer Engineering

Boston University, Boston, USA

Sept'17 - Jan'19

GPA: 3.73/4.0

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

### Bachelor of Engineering, Electronics and Telecommunication

University of Mumbai, Mumbai, India

July'13 - June'17

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## 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](#), 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
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## 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 application](#) 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 2<sup>nd</sup> 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
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## TECHNICAL SKILLS

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