

# 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, Advanced Data Structures, Cloud Computing, Machine Learning, Artificial Intelligence, Computational Tools for Data Science, Design by Software, Product Design, Enterprise Client-Server Software

### 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.**, Seattle, 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 overhead
- 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**, Boston, USA

Jan'18 - May'18

- Increased the revenue by 40% by developing a Recommender System for a Social Interior Design Company called [Printz](#), and revamped their E-commerce platform for 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**, Boston, USA

Dec'17 - May'18

- Developed an [Autonomous Race Car](#) with an objective to train a model that can provide coarse grained localization without using GPS, while also maintaining a high level of automotive functional safety
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## PROJECTS

### Full Stack Data Science

July'18

- Built a full stack data science web application using Django and PostgreSQL, to increase customer engagement by prioritizing and categorizing customer reviews in real-time
- 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 Red Hat, 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, C++, Go, JavaScript, C#, Bash, SQL, HTML5, PHP, CSS3, Assembly
  - **Platforms:** AWS, Docker, Django, React, Kubernetes, MySQL, Spark, Android Studio, MATLAB, Visual Studio, .NET
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## EXTRACURRICULARS

- **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