

# 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), Artificial Intelligence (CS 640), Machine Learning (CS 542), Cloud Computing (EC 528), Product Design (EC 601), Design by Software (EC 602), Computer Engineering Fundamentals (EC 605)

### Bachelor of Engineering, Electronics and Telecommunication

University of Mumbai, Mumbai, India

July'13 - June'17

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## EXPERIENCE

### Software Development Engineer, BU Spark, USA

Jan'18 - Present

- 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
- Building a website 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 - Present

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

### Embedded Software Intern, Eduvance, India

June'16 - July'16

- Assisted in developing customized solutions for projects on Embedded Systems and Internet of Things, worked on Linux OS and used C++ as the programming language. Contributed to the projects using the ARM mbed platform
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## PROJECTS

### 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 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
- Used Open Data to display valuable information to the users about the neighborhood. Sorted the events according to the preference of the users for better user retention

### Face Recognition and Verification Software

Oct'17

- Developed a web application at BostonHacks Fall 2017, which successfully detects and recognizes a person's face and displays information about the person from the database
  - Integrated the OpenCV library in the back-end of our website which was developed using HTML, Django and MySQL
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## TECHNICAL SKILLS

- Languages:** Python, C++, Java, JavaScript, SQL, C#, HTML5, PHP, CSS, Assembly, Verilog
  - Platforms:** AWS, OpenShift, React, Android Studio, Spark, MySQL, MATLAB, Microsoft Visual Studio, .NET
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## POSITIONS OF RESPONSIBILITY

- Educator** at Jayantilal Municipal School, taught computer basics and Microsoft Office Applications. Introduced the students to programming languages like C++ and Python
- Event Manager** at Undergraduate 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