

Keval Khara

Boston, MA 02215 || +1(857)-800-5579 || kevalk@bu.edu

Website: <http://www.kevalkhara.com> || LinkedIn: <https://www.linkedin.com/in/kevalkhara> || GitHub: <https://github.com/kev5>

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

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 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 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
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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