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, Advanced Data Structures, Cloud Computing, Machine Learning, Artificial Intelligence, Computational Tools for Data Science, Design by Software, Product Design

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, 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

Embedded Software Intern, **Eduvance**, India **Jun'16 - July'16**

- Assisted in developing customized solutions for projects involving Home Automation and Internet of Things, worked on Linux OS and used C++ as the programming language

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 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

TECHNICAL SKILLS

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

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