

Maulik Shah

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EDUCATION

Boston University, M.S in Computer Science

Expected Dec 2017

- Coursework: Software Engineering (CS 673), Graduate Databases (CS 660), Advanced Algorithms (CS 530), Operating Systems (CS552), Machine Learning (CS542), Data Mechanics (CS591L1), Computational Tools for Data Science (CS506), Computer Networks (CS535)

K.J. Somaiya College of Engineering, University of Mumbai, India, B.E in Computer Engineering

May 2016

PROFESSIONAL EXPERIENCE

R&D Intern (Backend Team Lead), Amphora Inc., Stamford, CT.

May 2017 – Current

- Developed the Charting & Notifications module, integrated Trading Technologies (QuickFIX) & Thomson Reuters API in Go on a SaaS platform.
- Integrated NLP into the existing backend input resolution package. Setup 12 REST API's for various services and testing.
- Mentored a team of 6 other interns. Performed code reviews, integration and deployment to EC2 and was in-charge of version control.

Teaching Assistant, Boston University, Boston, MA. CS 105 (Introduction to Databases and Data Mining)

Jan 2017 – May 2017

- Tasks include teaching Python and SQL along with basic analytics algorithms in labs and holding office hours.

Intern - Trainee Engineer, CloudFronts Technologies LLP, Mumbai, India.

Dec 2014 – Jan 2015

- Developed a module which enabled users to check-in and validate their service call via app, for a pharmaceutical client.
- Implemented using C# and JavaScript with Google Maps API integrated into the Microsoft Dynamics CRM platform.

PROJECTS & PAPERS

Should I Donate – (Winner at GAI Appathon, Boston University)

- Developed an android app to check credibility of a Non-Profit by clicking a picture and use financial details to calculate ratings.
- Used Java on Android Studio for the app, Google Image API for reverse image search and OrgHunter API to get the non-profit details.

Ram Disk

- Emulated a rudimentary version of Linux file system on a partition of the RAM.

Lung Cancer Detection

- Used Deep Convolution Neural Network to find lung cancer in lungs from CT Scan slices.
- Preprocessing in Python using scipy.ndimage package and model training and testing was done using the tensorflow package.

BU Campus Events App

- Developed an android app to act as a common platform to check and RSVP to events.
- Used Ruby on Rails and PostgreSQL database for Backend, Used Java on Android Studio for the app with an Agile approach.

Analysis of Stack Overflow and Yelp Dataset

- Analyzed a years' worth of stack overflow data and measured similarity between users and performed time series analysis
- Used clustering on yelp academic dataset to divide Las Vegas into culinary districts based on restaurant reviews and closeness.

Canteen Automation System (Final Year B.E Project)

- Developed an android app to incorporate user management and remote ordering.
- Improved canteen efficiency and sales by identifying sales patterns and performing market basket analysis to generate offers. Provided sales data visualization and forecasting to handle rush-hour efficiently along with predictive inventory management and restocking.

Smart Blender

- Created a smart blender using Twilio API, NodeJS and the Particle board and demoed at HackHarvard (2016).

Music Recommendation System

- Implemented a music recommendation system based on genres liked by user and reviews on songs by similar users using MapReduce on Hadoop.

SKILLS

- Programming Languages: JAVA, Go & Python (Most Proficient), SQL, C#, C/C++, .Net, NoSQL (MongoDB).
- Web Technology and Languages: HTML, XML, PHP, CSS, JavaScript.
- DevOps: Linux, CentOS, Windows Server 2016, Docker, Nginx, Git (GitHub), Bash.

POSITIONS OF RESPONSIBILITY

- Co-Founder and Joint Technical Head** of KJSCE-CodeCell, an initiative that promotes competitive coding by designing workshops on Programming Logic, Python, JAVA, etc., as well as mentors students. I personally conducted 8 seminars on topics such as Intro to Programming, Web development, app development, programming for kids, debugging, etc.
- Co-founder and Creative Head** of KJSCE- Alumni Cell.
- Director** of Leo Club of Bombay Uptown (Lions District 323-A2) the youth wing of Lions Club International.
- Multiple District Chairperson for Human Rights** (District 323). Initiate and manage various Human Rights and social service activities in 5 Indian states.