

# Akash Chidananda Murthy

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Available: **May 2018**

## EDUCATION

**Northeastern University**, Boston, MA

Sept 2016 - Present

College of Computer and Information Science

Expected graduation: May 2018

*Candidate for a Master of Science in Computer Science*

Related Courses: Algorithms, Information Retrieval, Web Development (MEAN), Database Management System, Natural Language Processing, Parallel Data Processing (Hadoop & Spark)

**Nitte Meenakshi Institute of Technology**, Bangalore, India

Sept 2012 - Jun 2016

*Bachelor Degree in Computer Science and Engineering*

## TECHNICAL KNOWLEDGE

Languages: Java, Python, SQL, Racket, Scala

Web Technologies: HTML5, CSS3, Bootstrap, JavaScript, Node.js, Angular.js, Express.js

Databases: SQL, SQLite, MongoDB

Tools & OS: AWS, Git, Eclipse, Heroku, Jira, Jenkins, Windows, Linux

## WORK EXPERIENCE

**Vyshnavi Information Technologies Pvt. Ltd**, Bengaluru, India

Jun 2015 – Aug 2015

*Software Engineering Intern*

- Developed, “Travel Expense Management”, an Android app built using SQLite for storing user related information. The app was designed to maintain all of a user’s expenses incurred while on a business trip.
- Designed and developed Travel Expense Management v1.1, with added feature of trip summary, which provides a summary of all the expenses during a trip, stores and displays related documents such as receipts, contacts and other information.

## ACADEMIC PROJECTS

**User Personality Prediction using Twitter data [Python]**

Oct 2017 – Nov 2017

Northeastern University, Boston, MA

- Developed a pipeline to predict personality traits of a user based on previous twitter data using different classifiers such as Naïve Bayes, MLP, etc., trained over a certain set of features to yield high precision and accuracy scores.

**Brain Image Classifier [Scala, Spark]**

Oct 2017 – Dec 2017

- Designed a distributed parallel application using random forest model to predict pixels in brain scans as foreground or background images.

**The Boston Public School Challenge [Java]**

May 2017 – July 2017

- Designed and implemented routing algorithms to improve routing efficiencies and optimize bus stop locations for Boston Public Schools (231 schools served and 646 busses running each day covering 4759 bus stops) using Java.

**ReviewME - a MEAN Stack Web Application**

Mar 2017 – Apr 2017

- Designed and implemented a single page web application that provides information on restaurants based on the user’s current location and allows the users to review restaurants and communicate with other users

## PERSONAL PROJECTS

- **Movie Base [MEAN]** - Developed a single page web application to provide users with latest movie recommendations, movie details, trailers, cast and allows users to write reviews and follow other users.
- **Website Manager [MEAN]** - Designed and developed a mobile-first RESTful web application that mirrors the functionalities of a website hosting service. Allows user to add/delete/modify different web pages and widgets.
- **Book Buddy [MEAN]** - Developed a mobile-first RESTful single page application that enables users to search for books that match their interest and locate the nearest corresponding booking lender to borrow it.
- **Search Engine [Python]** - Designed and implemented a text based search engine with pseudo-relevance feedback, user query expansion with BM25, TF-IDF, Vector Space Model as the ranking models.