

Sriharsha Srinivasa Karthik Kaipa

(617) 595-2073
kaipa.s@husky.neu.edu

<http://webdev-karthikkaipa.herokuapp.com>

75 Saint Alphonsus St, Apt. 816
Boston, MA 02120

EDUCATION

Northeastern University, Boston, MA

College of Computer and Information Science

Sept 2014-Dec 2016

Master of Science in Computer Science, GPA: 3.71/4.0

Related Courses: Web Development, Parallel Data Processing in MapReduce,
Human Computer Interaction, Managing Software Development

Indian Institute of Technology Bombay, Mumbai, India

Bachelor of Technology in Computer Science and Engineering, GPA: 7.3/10.0

May 2014

Related Courses: Data structures and Algorithms, Design and Analysis of Algorithms,
Computer Graphics, Artificial Intelligence

TECHNICAL KNOWLEDGE

Languages:	Java, JavaScript, Scala, C/C++, Python, Qt, Racket, Prolog, Haskell, Processing
Technology Stacks:	MEAN, Spring, Spring Integration
Web Technologies:	MongoDB, ExpressJS, AngularJS, NodeJS, Velocity.Js, Three.Js, MongooseJS, PassportJS
Performance Tools:	JMeter, BlazeMeter, Veracode
Software:	MySQL, SoapUI, RabbitMQ, Hadoop, Spark, LaTeX, AWS

WORK EXPERIENCE

PayPal, Boston, MA

Software Engineer Co-op

Jan-Aug 2016

- Designed and implemented performance benchmark test cases for core components in production
- Devised, developed and documented data collection process for Benchmark and Stability of release code
- Developed tool for data manipulation and comparison of csv files through single command line
- Studied, debugged and suggested rectification for slow functionality in production

Northeastern University, Boston, MA

Teaching Assistant

Sept-Dec 15, 16

- Lead master level TA, grader, lab assistant and tutor for undergraduate course Logic and Computation

Jan-May 2015

Deloitte US India, Mumbai, India

Systems Integration Intern

May-July 2013

- Tested and rectified time consuming data warehouse queries for multinational client
- Validated security conditions of various subject areas of Business Intelligence model

ACADEMIC PROJECTS

Big Bucket of Blockbusters

Northeastern University, Boston, MA

Sept-Dec 2016

- Developed mobile friendly web application to display information about movies released and upcoming and for user to create profile
- Implemented frontend using AngularJS and Bootstrap to make application robust and mobile friendly
- Implemented backend using NodeJS to create an asynchronous and secure server for all operations of application
- Implemented database using MongoDB to store user, movie and review information

Data Mining using Spark

Northeastern University, Boston, MA

Sept-Dec 2016

- Implemented and optimized Spark program to achieve data mining in parallel on multiple machines
- Achieved an accuracy rating of 76.07% using MLLib library implementation of Random Forest Ensemble classification

Union Capital Boston Prototype App

Northeastern University, Boston, MA

Sept-Dec 2015

- Developed prototype mobile friendly web application for non-profit organization UCB
- Utilized Angular Material for implementing clear and customizable user interface conforming to material design
- Conducted user profiling, information gathering and brainstorming for prioritizing user centric design

WHAM

Northeastern University, Boston, MA

Sept-Dec 2015

- Developed mobile friendly web application displaying events of interests to user based on users' and custom location
- Created clear and simple interface using Bootstrap components and custom CSS
- Implemented JavaScript hooks for easy integration with server and underlying MongoDB