Ajay Vardhan Balaji

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EDUCATION

Northeastern University, Boston, MA

College of Computer and Information Science   GPA: 3.71   Sept 2015 – Present

Master of Science in Computer Science   Graduation: Dec 2017

Related Courses: Web Development, Algorithms, Parallel Data Processing using MapReduce, Information Retrieval, Database Management Systems, Artificial Intelligence

SASTRA University, Thanjavur, Tamil Nadu, India   July 2009 - May 2013

Bachelor's Degree in Information Technology

Related Courses: Data Structures, Design and Analysis of Algorithms, Data Warehousing and Data Mining, Java Programming, Software Engineering

SKILLS

Web Development:	AngularJS, Node.js, MEAN Stack, HTML5, CSS3, Bootstrap CSS, JQuery, RESTful API
Programming Languages:	Python, Java, JavaScript, Scala, Bash, XML, Excel VBA
Database:	SQL, MongoDB, Access, Oracle
Analytics Tools:	Amazon AWS EMR, Hadoop, MapReduce, Apache Spark

EXPERIENCE

Northeastern University, Boston   Jan 2016 – Apr 2016, Jan 2017 – Dec 2017

Graduate Teaching Assistant – Computer Science and its applications.

- Tutored, assessed and graded assignments and exams for 100s of undergraduate students.

Northeastern University, Boston   July 2016 – Dec 2016

LMS Administrator Co-op – Northeastern University Global Network.

- Automated course creation, report generation and various course related operations using Windows Bash and Excel VBA scripts in Blackboard (University's Learning Management Tool) and helped 100s of faculty and staff to save around 10 hours of manual work a week.

Tata Consultancy Services, Chennai, Tamil Nadu, India   July 2013 – July 2015

Software Engineer (Client: Westpac)

- Developed front-end modules for web applications using HTML, CSS, AngularJS and JavaScript in MVC architecture for users to efficiently query and access data.
- Designed and built a web module to automatically generate reports that will help in key business decisions. This helped reduce up to 20 hours of manual work per week.
- Monitored and managed 30 UNIX servers (production, development, test and disaster recovery).
- Developed automation scripts for server maintenance, health checks and report generation using UNIX shell scripting and Excel macros saving up to 20 hours of manual work per week.

PROJECTS

Web Crawler – *Python* - git.io/vdYeq   Sep 2017

- Built a web crawler that crawls up to a specified depth and pages and downloads them offline.

Music Search System – *MEAN Stack*   Jun 2017 – Aug 2017

- Built a web based application where users can search for songs using specific tags and keywords, or using a word cloud of tags ranked based on user votes.

NowWatching - *MEAN Stack and IMDB API* - git.io/vdmxG   Jan 2016 – April 2016

- Developed a web application that allows users to share the movies they are currently watching to their followers and have a real-time discussion.

PageRank using MapReduce - *JAVA and Scala* - git.io/vdYv9   Feb 2017 – Mar 2017

- Cleansed and parsed ~10 years of Wikipedia data and calculated PageRank for all the pages including the links in each page using MapReduce and Spark programs and executed in AWS EMR