

# SIDDARTHAN VISVANATHAN

11 Tetlow St, Apt 11, Boston, MA 02115

857-919-9476 | [visvanathan.s@husky.neu.edu](mailto:visvanathan.s@husky.neu.edu) | <https://github.com/vsidd> | <https://www.linkedin.com/in/siddarthanv>

Web Page: <https://visvanathan-siddarthan-webdev.herokuapp.com/>

## EDUCATION

**Northeastern University**, Boston, MA

Graduation: December 2016

Master of Science in Computer Science

GPA: 3.8/4.0

*Relevant Courses:* Algorithms, Information Retrieval, Parallel Data Processing in MapReduce, Data Mining, Foundations of Artificial Intelligence, Web Development, Managing Software Development

**PSG College of Technology**, Tamil Nadu, India

May 2012

Bachelor of Science in Information Technology

GPA: 8.8/10.0

## TECHNICAL KNOWLEDGE

**Languages:** Java, Python, R, Octave, Racket, Apache Pig

**Databases:** MySQL, PostgreSQL, SQLite

**Web technologies:** AngularJS, NodeJS, Bootstrap, RESTful web services, Servlet, Apache Maven

**Standards and Frameworks:** Java EE, Spring-boot, Hibernate, AWS (EMR), Hadoop, Elasticsearch (Lucene), Junit

## WORK EXPERIENCE

**Hewlett-Packard Enterprise**, Southborough, MA

Jan. 2016 - Aug. 2016

*Software Engineer Co-op*

- Implemented and improved multiple RESTful APIs for the product HP Connected MX, a cloud based file storage, backup, recovery and sync-share solution.
- Designed and developed a multi-threaded command line tool that will allow users to download multiple data from multiple users across all platforms in the product using Java and SQLite.
- Developed a prototype to handle dynamic registration of service and its discovery using Apache Zookeeper wrapped over Apache Curator.
- Won a hackathon event held in HPE by developing a prototype that takes an audio/video input, dynamically uses its contents to collect data from social media and produces a trend analytics chart.

**Hewlett-Packard (HP R&D)**, Bangalore, India

*Software Engineer*

Aug. 2012 - June 2014

- Designed and developed a data collection tool as Java RESTful api to collect printer metrics through cloud.
- Implemented and presented an idea on transforming functional requirements to a template program using JBehave
- Developed an authentication service for HP cartridges that would provide a secured printing via Cloud RESTapi.
- Improved data security in cloud storage system that used Java Spring batch framework.

*Software Engineer Intern*

Jan. 2012 – June 2012

- Integrated an UI and a Printer simulator in Java to create a virtual printer that is used for testing printer apps.

## ACADEMIC PROJECTS

**Pokemon Nest Locator (in MEAN stack)** <http://bit.ly/2gLatf0>

Nov. 2016 – Dec. 2016

- Built a mobile friendly comprehensive map based web tool kit that lets users add/delete location of Pokemon nests on Google maps API along with features like searching, social networking is also provided.

**Amazon Movies Review Analysis (in Java, Hadoop, SparkSQL)**

Nov. 2015 - Dec. 2015

- Implemented a MapReduce task to find top reviewers whose reviews were helpful to users in choosing a movie.
- Enlarged the dataset by implementing a MapReduce-based crawler to crawl over Amazon product API and OMDb API in parallel and then joined all the datasets using SparkSQL.
- Implemented a web interface to programmatically create EMR clusters in AWS using AWS SDK and dynamically read files from S3 storage and also provide movie recommendation based on genre/rating/awards.

**Crawling, Vertical Search (in Python)**

Feb. 2015 – March 2015

- Crawled 40k web pages in three machines and indexed them in Elasticsearch after cleaning using BeautifulSoup.
- Implemented HITS and Iterative PageRank algorithm and ranked the crawled pages accordingly.