

# DIVYESH HARIT

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## EDUCATION

### UNIVERSITY OF MASSACHUSETTS AMHERST

Amherst, MA

Master of Science in Computer Science (Focus: **Software Engineering**)

May 2018

**RELEVANT COURSES:** Advanced Software Engineering, Software Engineering Project Management, Visual Analytics, Computer Systems, Distributed and Operating Systems

## EXPERIENCE

### HEWLETT-PACKARD ENTERPRISE & UMASS AMHERST: PROJECT LEAD

January 2018 – May 2018

- Currently leading 8 UMass Amherst students through the SDLC of Storage Device Analytics, a project for and to be used by [HPE InfoSight](#).
- Involves creating the SRS, HLD & LLD, and performing development and testing of the product.

### PROJECT FIRST SOFTWARE (AMHERST): FRONT-END DEVELOPER

June 2017 – October 2017

- Developed hundreds of responsive UI screens of STATERA, an ERP software of the startup - **Angular 4**, **Telerik KendoUI**, **HTML5**, **CSS3**, **Bootstrap3**.
- Interacted with the endpoints of a RESTful ASP.NET Web API to fetch/update a SQL Server 2014 database and update the screens – **TypeScript**, **RESTful API**, **SQL Server 2014**.
- Exposed to Continuous Integration and Agile Development Tools – **Jenkins**, **Atlassian JIRA**.

### MAZCON INFOTECH (AHMEDBAD, INDIA): FULL STACK DEVELOPER CO-OP

September 2014 – April 2015

- Developed E-Clinic, a full-stack hospital management system used by an Indian hospital.
- Developed the backend and connected to the database – **Java (J2EE, Servlets, JDBC)**, **MySQL**.
- Designed the software front-end which was used by patients and doctors – **HTML**, **CSS**, **Bootstrap**, **JSP**.
- Performed unit testing, integration tests and end-to-end testing of the product – **JUnit 4.0**.

## PROJECTS

### CICS, UMASS AMHERST: GRADUATE STUDENT

September 2016 - Present

- [REDDIT FEED SEARCH](#) – (Angular CLI, Node.js, Express.js)
  - Developed and deployed a web application that displays neatly laid-out top posts' details and links from a user-defined subreddit using the Reddit API.
- [VAST CHALLENGE 2011](#) – (Python, Bokeh)
  - Preprocessed ~1M geocoded timestamped tweets + ~5000 text news articles to solve the case.
  - Looked for data trends & patterns, and displayed observations as interactive visualizations in Bokeh.
- [MEMO – A MEMCACHED CLONE](#) – (C++)
  - Implemented a Memcached server using LRU, Random and Landlord cache replacement policies.
  - Includes current memory status, set, get and retrieve commands for key-value pairs from memory.
- [STANDALONE MAJOR MUTATION TESTING FRAMEWORK](#) – (Java)
  - Developed a standalone Java version of Major Mutation Framework; implemented SE principles such as separation of concerns, and composite and iterator patterns.
  - Upon providing a test suite and program to test, it generates mutants, executes each test case on each and produces a detailed mutant kill summary.

## SKILLS

### LANGUAGES:

Python(Proficient), Java & JavaScript(Intermediate), C & C++ (Familiar)

### WEB TECHNOLOGIES AND FRAMEWORKS:

HTML, CSS, Bootstrap, AngularJS, Node.js, Express.js, RESTful APIs, AJAX, jQuery, Flask

### DEVELOPMENT PRACTICES/METHODOLOGIES:

MVC architecture, Agile(Scrum), MEAN Stack

### DATABASES:

SQL(MySQL), NoSQL(MongoDB)

### TESTING TOOLS & FRAMEWORKS:

Karma, JUnit, Selenium

### LIBRARIES:

SciPy, IPython, Pandas, Requests, Scrappy, BeautifulSoup

### DEVELOPMENT & DEPLOYMENT TOOLS:

Git, JIRA, Jenkins, AWS, Heroku, Eclipse