

DIVYESH HARIT

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EDUCATION

UNIVERSITY OF MASSACHUSETTS AMHERST

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

Amherst, MA

December 2018

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

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, Scrapy, BeautifulSoup

DEVELOPMENT & DEPLOYMENT TOOLS:

Git, JIRA, Jenkins, AWS, Heroku, Eclipse

PROFESSIONAL EXPERIENCE

PROJECT FIRST SOFTWARE (AMHERST): FRONT-END DEVELOPER

May 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**.

ADDITIONAL EXPERIENCE

HEWLETT-PACKARD & UMASS AMHERST: INCOMING PROJECT LEAD

January 2018 – May 2018

- HP and UMass Amherst collaboration project**
 - Will lead a team of ~10 UMass Amherst students through the SDLC of an HP project that involves coming up with an idea & technology, and completing the design & development of the product.

CICS, UMASS AMHERST: GRADUATE STUDENT

September 2016 - Present

- 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.
- STANDALONE MAJOR MUTATION TESTING FRAMEWORK** – (Java, JUnit)
 - Developed a standalone Java version of the analyzer part of the Major Mutation Framework.
 - Upon providing a test suite and a program to test, it generates mutants, executes each test case on them and produces a detailed mutant kill summary.
- 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.