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)   January 2018
  - 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)   October 2017 – December 2017
  - 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++)   March 2017 – May 2017
  - 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)   October 2016 – December 2016
  - 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, Scrapy, BeautifulSoup
DEVELOPMENT & DEPLOYMENT TOOLS:	Git, JIRA, Jenkins, AWS, Heroku, Eclipse