Vardhman Mehta

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+1 (206)-902-8524 | mehtav@cs.washington.edu | mehtav.xyz
GitHub: github.com/vardhman1996 LinkedIn: linkedin.com/in/vardhmanm

Education

University of Washington, Seattle **December 2017** (Expected)

BS, Computer Science | GPA: 3.85
Coursework: Data Structures - Parallelism, Systems & Networks programming, Artificial Intelligence, Elements of programming languages, Hardware/Software interface & Software design and implementation.

Proficiencies & Technologies:

Languages: Java, JavaScript, NodeJS, Python, Bash, HTML, CSS, Ruby, C, C++, C# & MySQL.
Frameworks: Git, Django, ExpressJS, AngularJS, MongoDB, Mocha, Consul & Serverless.
Databases: MongoDB, Postgres & ElasticSearch.

Experience

FTI Technologies | Software Engineer Intern **June 2016 – Present**

- Implemented various lambda functions to dynamically query ElasticSearch. Implemented Nodejs code to lower transaction time while efficiently querying ElasticSearch for millions of data objects.
- Designed and implemented a distributed system of Consul clusters using AWS Services. Automated this deployment using node and bash to make a one-line executable command for the system.

CleverTap | Software Engineer Intern **June 2015 – September 2015**

- Developed the migration code for Maxmind's GeopIP1 to GeopIP2 to make location tracking efficient. Currently being used by over 100 clients of CleverTap.
- Developed plugin for various IDEs to display errors while integrating CleverTap's SDK. The plugin can autocorrect, autofix and auto-insert code. Reduced CleverTap's customer service by over 50%.

TA in Computer Lab | University of Washington **October 2015 – Present**

- Involved in improving helping students understand the basic computer system.
- Guided students & teachers by extending a helping hand to their day-to-day computer issues.

Jalpa Tours & Travels | Web Developer **May 2014 – January 2015**

- Developed and implemented a Web App for the startup using Django. (open source on GitHub)
- Uses client side admin control to auto populate every element of the website.

Projects & Extracurricular Activities

Launch: (launch.startupuw.com)
Web-App of all the startup resources and side projects in and around campus. Allows users to add projects, build a network and up vote them.

BiliCam Research (Ubicomp Lab)
Researching in optimizing ML scripts that analyzes a newborn baby for jaundice. Uses regression to determine the result from baby's pictures. Implemented the login system.

PathFinder: GoogleMaps API
Implemented an algorithm to efficiently find the shortest path between various locations on google maps. Takes into account traffic, time to travel, signals and previous congestion records.

Startup UW: (startupuw.com)
Technology and Finance head of UW's largest entrepreneurship club providing assistance for startups. Organized a Startup Weekend for UW.

Inebrirate – Alcohol level detecting through Android app
Research involved in using Machine Learning techniques to determine alcohol levels using an Android app. Implemented various classifiers to collect data using the phone. Implemented various different ML algorithms with an aim to minimize the number of tests needed to maximize the accuracy of alcohol level detection.