Ankit Deshmukh

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Education

Bachelor of Science, Computer Science from **Virginia Tech.**   **August 2016 - May 2019**

Minor in **Mathematics**
GPA: 3.86
Deans List with Distinction All Semesters
Byron M. & Helen S. Brumback Scholarship Recipient for 2017-2018

Experience

Researcher, Discovery Analytics Center   **June 2017 – August 2017**

- Obtained initial data through **Natural Language Processing** using Spacy to build Knowledge Graph
- Created Knowledge Graph from CIA Factbook using Python and NEO4j to easily **visualize and filter large data sets**, and display various connections between countries
- Utilizing Pattern Mining through CHARM and LCM to analyze large data sets and **identify commonalities between multiple entities**
- Research created a smooth way to interpret and graph **Big Data** earning **funding from DARPA**

Developer, Web Team for **VT Parking Mobile App**   **August 2016 – August 2017**

- Assisted with web page and back end of Mobile App for VT using **Node.js and Javascript** to allow filtering of a map, cookies, and creating an API for the Mobile Team
- Practiced **Agile Software Development** using JIRA
- Distributed **Alpha Version** to select users on campus and **club was then acquired by business**

Intern, Silkops   **June 2016 – January 2017**

- Reformatted webpage using Dart, Materialize CSS, and BitBucket resulting in a **lightweight product for clients**
- New product was distributed resulting in **more clients switching from Lite version to full paid version**

Personal Projects

StickWIthIt

- Originated and produced app using **AndroidStudio and Firebase** that helps develop discipline and perseverance in users by turning repetitive or arduous tasks or chores into a game-like format
- Produced significant rise in productivity, UI is currently being updated and **AWS DynamoDB** is replacing Firebase to allow for more users

Error-404

- Identified problem with schools website and using **PHP, Javascript, and HTML/CSS** created website to detect dead links an any given web page
- Presented to school, and dead links from site were removed resulting in better appearance of school to potential sponsors and students

GymTracker V2

- Designed and wrote a website using **Node.js, mongoose, and MongoDB that** can help users track, graph, and analyze activities like exercising, studying, etc

Skills

- Proficient: Java, Python, C, Javascript, HTML/CSS, AndroidStudio/Java, Version Control(git), Matlab
- Intermediate: Linux (CentOS), NumPy, PHP, Lua
- Beginner: MySQL, Dart, Node.js, MongoDB, mongoose, AWS, Ruby on Rails