**Vivek K. Sah**

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github.com/vksah32

**Education**

**Dartmouth College,** Hanover, NH **June 2018**

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| *Bachelor of Engineering: Computer Engineering* |  |

**Colby College,** Waterville, ME **May 2017**

*Bachelor of Arts: Double Major* *in* *Computer Science and Mathematics* **GPA: 3.89/4.00**

*Honors: Dean’s List, William D. Adams Presidential Scholar (awarded to the top students in admitted classes)*

**Trinity International College**, Kathmandu, Nepal **June 2012**

*Cambridge Advanced Levels:* Physics, Chemistry, Mathematics and Biology

**Relevant coursework**

Software Design and Implementation (C), Algorithms, Artificial Intelligence (Java), Data Analysis and Visualization (Python), Security and Privacy, Computer Organization (VHDL), Object Oriented Design (Java), Programming languages, Abstract Algebra, Real Analysis

**Technical Skills**

Languages: Python, Java, C, Shell, HTML, JavaScript

Frameworks/environments: Android, jQuery, Node.js, Rails, MATLAB, Xamarin, Ethereum (Blockchain)

**Experience**

**New York Life**,Jersey City, NJ

*Application Developer*  **June 2016-August 2016**

* Deployed a cross-platform mobile application which helps employees learn how to use newer technology in the office
* Built a private blockchain network and presented on the potential business use cases in the insurance industry

**Thayer School of Engineering**,Hanover, NH

*Machine Shop Instructor*  **September 2015-June 2016**

* Taught students how to use different machines in the shop (Mill, Lathe, 3D printer, Laser Cutter) for their projects
* Trained new instructors to operate those machines

**Wellist**,Boston, MA

*Software Developer Intern*  **June 2015-August 2015**

* Supported the Backbone.js frontend and made sure it does not go down while the backend was being modified.

• Optimized the information flow from client side to the server side by 5% by getting rid of data duplication

**Colby College*,*** Waterville ME

*Teaching Assistant, Mathematical Reasoning* **February 2014-May 2014**

* Held TA sessions for approximately 20 students to help them in proof-writing
* Graded homework assignments and provided feedback on those assignments

**Projects**

**Tiny Search Engine (http://www.searchengine.vksah.com) August 2015-Present**

* Developed a search engine in C in a test driven environment to learn about software design principles
* Crawled and indexed close to 1600 webpages on Dartmouth network, and ranked the results based on the frequency of query
* Tied the search engine to a simple frontend (written in HTML5/jQuery) for easier demonstration

**Localbin (http://localbin.xyz) December 2015-Present**

* Created a web app using MEAN (Mongo, Express, Angular, Node) stack to quickly share notes and files
* Localbin works like a web-based AirDrop, so it can be used across various operating systems
* Peers have found it useful for sending URLs and files to nearby computers connected to printers

**OnTrack**  **April, 2015**

* Led a team of three android developers on an app which lets a group of users share their location across various platforms
* Used Parse as backend service and Google Maps for acquiring location of android smartphone
* Helpful to keep in touch with family members and friends especially while travelling

**Data Analysis Tool** **February, 2015- May 2015**

* Wrote a Python software to 3-D visualize and analyze large data sets
* Performed linear regression, PCA analysis and clustering analysis on Australian Coast climate data
* Classified spam emails with an accuracy of 82.14% using KNN and Naïve-Bayes classifiers (data from UCI Spambase )

**Other Activities and Interest**

Cricket, Swimming, Fencing, Colby International Club, Colby Outing Club