

# Sumit Dhungel

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## Education

Howard University

Graduating May 2019

Computer Engineering

GPA - 3.94

## Work and Volunteer Experience

Tech Team **Sodexo, Howard University (From September 2016)**

- One of the three members of the Tech Team of HU Dining Services
- Perform troubleshooting of various software issues such as overloading of cash register database and errors regarding readability of Bison One Card
- Fixing the network outage problems in Halo, Software used by cash registers

Volunteer Teacher **Mahendra Public School, Nepal (Spring 2014 & Summer 2016)**

- Taught Mathematics and Computer Science to underprivileged High Schoolers
- Majority of my students passed national level examination with good result

## Coursework

Unix Lab

Discrete Math

Linear Algebra

Calculus I & II

Mobile App Development

Computer Organization I

Computer Science I & II

## Projects

Electrobar **Google DC Hackathon 2016**

- Used Twitter API to retrieve data related to the election
- Analyzed the sentiment of the tweets and visualized the data using d3.js

No More Difficulty **MIDAS Mission Public Health Hackathon 2016 (4th Place)**

- Featured on Intel
- Used serial processing for mining US Census data
- Visualized statewide percentage of the population suffering from visual, cognitive, hearing and ambulatory difficulties

The Magic Stick **Intro to Engineering Design Project 2015 (Top 10)**

- Created a prototype of walking stick for visually impaired people
- Ability to control traffic lights making it easier for them to cross the road

Photo for a Cause **Google DC Hackathon 2015**

- Used an image recognition API to self-generate Twitter hashtags and to tweet a picture simultaneously using Python, Django and Twitter API
- Our main aim was to upload the picture enough times to create a trend and let the authorities know about the injustice

## Achievements

Legacy Scholarship totalling to \$100,432

Top 10 in Intro to Engineering Design Project 2015

## Skills

Computer Skills

- **Programming Language** Python (1 year), C++ (8 months), HTML (6 months), CSS(4 months), C(4 months), FORTRAN (4 months)
- **Web Frameworks** Django, D3js
- **Software** Adobe Photoshop, Adobe Dreamweaver, Movie Maker
- **Other Computer Skills** Database Management (MS Access), UNIX, Version Control: Git

## Clubs

HU Cybersecurity Club

HU Maths Club

NSBE

ACM

Other Courses

- Intro to Computer Science(Taught by Google Engineer), Intro to Engineering, Reflective Writing Portfolio, Physics, Chemistry, Intro to Political Science
- Introduction to Cloud Computing by IEEE (**edX.org**)
- Currently taking Stanford University course, Algorithms: Design and Analysis, Part 1 **Coursera**