

# PUJAN THAPA

✉ thapapujan2@gmail.com  
☎ 5622109515  
in pujan01

## Skills

### PROGRAMMING

Python  
C++  
Go  
C#  
JavaScript  
HTML  
Java

### SOFT SKILLS

Agile  
Communication  
Leadership  
Presentation  
Analysis

## Awards

### Google Coding Challenge 2020

Second place among all the HBCUs in Juniors/Seniors category

### Tau Beta Pi Scholarship 2019

Recognized for commitment towards this highly selective engineering honor society

### GoDaddy Hackathon 2019

Customer Innovation Award to develop a website that aggregates reviews for a business from all different social medias

### Howard Hackathon 2017

Best Solutions Award among 18 teams for designing a hotspot sharing app for mobile data using JavaScript

## Education

### Howard University

Aug. 2017 to May 2021

#### Bachelors Computer Science 2021

GPA: 4.0

Founders Scholarship: Full Ride Merit-based Scholarship awarded to the top 1% applicants

Dean's List: Awarded every semester of college for consistent academic excellence

Relevant Courses: Data Structures, Algorithms, OS, Cyber Security, Computer Organization, Discrete Math, Calculus, Tech Writing

### Google Tech Exchange Program

Jan. 2020 to May 2020

GPA: 4.0

Chosen as one of 40 scholars for a semester long hands-on learning experience at Google HQ. Classes were taught by Google engineers and experts in the field

Courses: Machine Learning, Database Systems, Applied Data Structure, Product Management

## Employment

### Lyft Inc.

New York, NY

#### Software Engineering Intern

June 2020 to July 2020

- Designed and developed a counterfactual service to execute all the possible configurations of live service using Python, Go, and Redis
- Deployed the service using Jenkins and monitored the changes using Grafana and Kibana
- Conducted shadow testing and analyzed data to discover optimal configurations of the service

### GoDaddy Inc.

Kirkland, WA

#### Software Development Engineer Intern

May 2019 to Aug. 2019

- Developed backend for API controller endpoints using ASP.NET, MVC, and C#
- Deployed high churn projects to production and monitored changes using Jenkins
- Created an open-source GoDaddy Framework component and added associated Nuget package to a REST API

### Phutung Research Institute

Kathmandu, Nepal

#### Summer Research Assistant

May 2018 to July 2018

- Developed an algorithm for a diagnostic tool to detect early stages of Bronchitis and Emphysema using optical coherence tomography
- Deployed code in MATLAB to develop a mathematical model for signal processing of tomography scans

## Projects

### Fables, Google PM Class

Jan. 2020 to May 2020

- Worked as PM in the Product Management class to create a story-telling app for little kids
- Conducted in-depth market research for unmet needs, pain-points, and product desires
- Collaborated with SWE, UXR, and UXD to design and author the MRP, MRD, and the PRD
- Pitched the product with a high-fidelity Figma prototype to a pool of Google PMs

### Whats-cooking, Google ML Class

Mar. 2020 to May 2020

- Trained a machine learning model using Tensorflow, Pandas, and Numpy to predict the cuisine from a given list of ingredients with 81% accuracy
- Experimented with multiple layers of embedding, feature transformations, epochs, number of units, and activation functions to obtain the most accurate model

### Bot Detection, Research Assistant

Oct. 2018 to Apr. 2019

- Volunteered in a project to analyze large volumes of tweets using natural language processing (NLP) algorithms and summarize them
- Identified patterns of bots using Python and Botometer API to discard bogus tweets