

PUJAN THAPA



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Skills

PROGRAMMING

Python

C++

Go

C#

JavaScript

HTML

Java

SOFT SKILLS

Agile

Communication

Leadership

Presentation

Analysis

Awards

Google Coding Challenge

Second place among all the HBCUs in Juniors/Seniors category

Tau Beta Pi Scholarship

Recognized for commitment towards this highly selective engineering honor society

GoDaddy Hackathon

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

Howard Hackathon

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

Education

Howard University, Washington, DC

Aug. 2017 to May 2021

Bachelors Computer Science 2021

GPA: 4.0

Founders Scholarship: Full Ride Merit-based Scholarship awarded to the top 1% of the applicant pool

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, Sunnyvale, CA

Jan. 2020 to May 2020

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

Experience

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 find out the optimal configurations of the live 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 using Jenkins and monitored changes in Wavefront
- 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 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, Undergraduate 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 Bot accounts using Python and Botometer API to discard bogus tweets