

SAKSHI ROONGTA

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EDUCATION

Carnegie Mellon University

B.S. in Computer Science and
Business Administration

Dean's List

Expected May 2021 | GPA 3.5

RELEVANT COURSEWORK

15-440: Distributed Systems

11-485: Deep Learning

10-315: Machine Learning

15-381: Artificial Intelligence

15-451: Algorithm Design and Analysis

15-210: Parallel/Sequential Algorithms

15-213: Intro to Computer Systems

15-414: Bug Catching

15-455: Complexity Theory

15-251: Theoretical Ideas in Comp Sci

TECHNOLOGY/Framework

Git	AWS Platform
React	Spring
Docker	Azure Platform
Junit	Leap Motion
Virtual Reality	Flask

LANGUAGES

Java

C

Python

C++

Golang

JavaScript

Functional Programming

SQL

Assembly

EXPERIENCE

Amazon | Software Development Engineer Intern | Summer 2020

- Designed and coded an application with a partner that helped improve user experience when onboarding to the Amazon fulfillment system using React, Spring, and ECS
- Created an AWS Lambda application to grant users an auth token before onboarding
- Wrote unit and integration tests that provided 90% code coverage using Junit and Mockito

Carnegie Mellon University, Institute for Software Research | Research Assistant | Summer 2019

- Designed and developed an application in C++ to simulate a four-way intersection for autonomous vehicles using vehicle-to-vehicle communication
- Induced and studied delays and failures in network and how to maintain safety despite those delays

Infosys | Software Development Engineer Intern | Summer 2018

- Built a web application using Python, Django, and SQL to help clients create and manage a stock portfolio
- Researched financial papers to develop algorithm that calculates a stock's momentum and z-score to create a well-balanced portfolio that limits turnover

PROJECTS & AWARDS

Tartan Hacks Winner - Best Security Hack [of 50 teams] | Social Scrubber | Feb. 2020

- Identifies personally identifiable information (PII) in a Facebook post and warns the user via a pop-up before they post
- Uses Azure Optical Content Recognition to find text and Azure Content Moderation API to identify potential PII

Build18 Hackathon Winner – Most Innovative Design Award [of 100 teams] | ASL Robotic Hand | Jan. 2020

- Created a two-way communication system between English and ASL
- Robotic hand performed ASL alphabet using input text
- Leap Motion sensor took in hand movement and used a machine learning model to translate ASL to English

Tartan Hacks Winner - Sandia National Labs Award [of 50 teams] | TL;DR | Feb. 2019

- Chrome extension that compiles and summarizes the most notable sections of End User License Agreements (EULAs)
- Uses Natural Language Processing Algorithm to process text