

# Dhanvee Ivaturi

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## EDUCATION

### University of Maryland, College Park

August 2018 - December 2021

Bachelor of Science, Computer Science and Mathematics

GPA: 3.72

- **Coursework:** *Distributed Systems (grad), Parallel Computing (grad), Data Structures, Algorithms, Intro. AI*

## WORK EXPERIENCE

### VMware, Inc.

May - August 2020, April 2021 - Present

Software Engineering Intern - VMware Cloud on AWS

Palo Alto, CA

- Implemented configurable database user management for VMC's data plane as a part of SOC2 compliance efforts
- Rebuilt CI/CD pipelines handling the deployment and testing of AWS infrastructure through terraform, using **Jenkins** jobs and shell scripts. Pipelines now *3x faster*, and used by 100+ people multiple times a day

### NVIDIA Corporation

January - April 2021

Software Engineering Intern - AISTore

Santa Clara, CA

- Worked on **AISTore**, a lightweight, distributed object store with a focus on petascale deep learning
- Introduced features for cluster management, allowing users to monitor and maintain AISTore clusters
- Overhauled CLI utility for better user experience and higher configurability

### Symantec Corporation

May - August 2019

Software Engineering Intern - Cloud Platform Engineering

Mountain View, CA

- Developed a containerized **Golang** application to configurably report metrics for any given microservice
- Designed **Grafana** dashboards to visualize metrics from any service, improving understanding of platform health

## TECHNICAL SKILLS

**Languages** Python, Java, Golang, C, Node.js, Matlab, Bash, L<sup>A</sup>T<sub>E</sub>X

**Technologies** Spring, Jenkins, Docker, Vue, TensorFlow, Pandas, Selenium, Serverless/FaaS, AWS

## ACTIVITIES AND PROJECTS

### Technology Team @ Technica

May 2020 - Present

- Leading a team of 10 to build a scalable hybrid event platform with video conferencing features, in-person event attendance, a mobile companion app, and more
- Helped architect and build prototype hackathon platform using **AWS Lambda**, **Node.js**, and **Vue** in 2020
- Current application *supported 3,000+ concurrent users around the world* during Technica 2020

### Undergraduate Teaching Assistant

August 2020 - Present

- Leading discussion sections for various computer science classes, teaching OOP and basic data structures.
- Instructed student-led courses: Web Development with Flask, Introduction to Digital Logic with Minecraft

### Machine Learning Research Assistant @ ARLIS, College Park

January - May 2020

- Developed a PII censoring script in python using deeppavlov for use with social media data in Russian

### Moody

HackRU — March 2019

- Trained a custom deep CNN to predict a user's emotion with a picture of their face using GCP and TPUs
- Designed novel data pipeline to lower latency, using **Flask**. *1st place and best AI hack out of 100+ projects*

### Improving Breast Cancer Detection

Intel ISEF 2018

- Compared various ML algorithms alongside principal component analysis for diagnosing breast cancer
- Won Best of Championship award at Synopsys Silicon Valley science fair out of 2000+ projects

— More projects at [github.dhanvee.xyz](https://github.com/dhanvee) —

References available on request | U.S. Citizen