

Dhanvee Ivaturi

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EDUCATION

University of Maryland, College Park

Bachelor of Science, Computer Science and Mathematics

August 2018 - December 2021

Overall GPA: 3.71

WORK EXPERIENCE

VMware, Inc.

May - August 2020 (Current)

Software Engineering Intern - VMware Cloud on AWS

Palo Alto, CA

- Rebuilt multiple CI/CD pipelines handling the deployment and testing of terraform configurations, leveraging **Jenkins** jobs and shell scripts
- New pipelines resulted in a 3x improvement in run time, and are used by 100+ people multiple times a day
- Currently contributing to the next generation cloud platform, mainly working with **Java Spring**

Symantec Corporation

May - August 2019

Software Engineering Intern - Cloud Platform Engineering

Mountain View, CA

- Developed a lightweight, configurable, and containerized application in **Golang** to report metrics for any given microservice, with minimal developer effort. Currently used in production environments.
- Added features to a **Python** deployment tool to support new security features for the cloud platform
- Designed **Grafana** dashboards to visualize metrics from any service, improving understanding of platform health

TECHNICAL SKILLS

Languages Python, Java, Golang, C, JavaScript, Matlab, Linux Bash, LaTeX, SQL, Git

Frameworks Jenkins, Docker, Scikit-Learn, TensorFlow, Jupyter notebooks, Pandas, Selenium

Technologies Deep Learning, Data mining, Build automation, Containers, Microservices/Service Mesh

PERSONAL PROJECTS

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 and implemented a novel data pipeline to minimize response times and improve accuracy, using **Flask**
- 1st place winner and best AI hack @ HackRU, out of 100+ projects

Improving Breast Cancer Diagnosis through Machine Learning

September 2017 - May 2018

- Compared various ML algorithms on a 30 feature, 500+ record dataset describing the cells from a tumor biopsy
- Tested **principle component analysis** to evaluate accuracy loss and improvement in training time
- Won Best of Championship award at Synopsys Silicon Valley science fair out of 2000+ projects
- Represented Silicon Valley in Intel International Science Fair 2018

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

ACTIVITIES

Technology Team @ Technica

May 2020 - Present

- Helping architect and build an online hackathon platform for Technica 2020 using serverless technologies
- Created CI/CD pipelines using GitHub Actions to automatically deploy backend services to AWS Lambda

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
- Tested research surveys and wrote validation scripts to ensure proper completion of the study

Director of Logistics @ Bitcamp

June 2019 - Present

- Leading a team of 20 to provide networking, A/V, workshops, and scheduling for the largest collegiate hackathon