

# 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 AWS infrastructure through 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
- 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

<b>Languages</b>	Python, Java, Golang, C, JavaScript, Matlab, Linux Bash, L <sup>A</sup> T <sub>E</sub> X, SQL, Git
<b>Frameworks</b>	Jenkins, Docker, Scikit-Learn, TensorFlow, Jupyter notebooks, Pandas, Selenium
<b>Technologies</b>	Deep Learning, Data mining, Build automation, Containers, Microservices/Service Mesh

## ACTIVITIES

- Undergraduate Teaching Assistant** August 2020 - Present
- Leading discussion sections for a first year computer science class, teaching OOP and basic data structures.
- Technology Team @ Technica** May 2020 - Present
- Helping architect and build an online hackathon platform using AWS Lambda, Node.js, Vue, and more
- 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

## 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) —

*References available on request | U.S. Citizen*