

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: 3.67

WORK EXPERIENCE

- 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
 - Implemented **Jenkins** integration tests for a cloud service by adding thorough test cases for 10+ REST endpoints
 - Designed **Grafana** dashboards to visualize metrics from any service, improving understanding of platform health
- HuEx Inc** June - November 2018
Data Analysis Intern Palo Alto, CA
- Analyzed 10 GB of raw CSV travel data to identify product-market fit and target markets with **Pandas**
 - Scraped websites with **Python**, **Selenium**, and **BeautifulSoup** for data that helped decide target market

TECHNICAL SKILLS

Languages Python, Java, Golang, C, SQL, Matlab, Linux Bash, L^AT_EX, JavaScript, Git
Frameworks Docker, Kubernetes, Jenkins, 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 (**KNN**, **SVM**, **Logistic Regression**, **Neural Nets**) on a 30 feature, 500+ record dataset describing the cells from a tumor biopsy (numerical values regarding size, texture, etc.)
 - 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
- Open Sesame – Wi-Fi Garage Door Opener** June 2018
- Designed and assembled a **Raspberry Pi** based system that provides an online interface to the garage door
 - Created an intuitive and clean interface for family members to open and close the garage door
 - Implemented a logging system for both Wi-Fi and local opens and closes of the garage door
- More projects at [github.dhanvee.xyz](https://github.com/dhanvee) —

EXTRACURRICULARS

- Logistics Director @ Bitcamp** November 2018 - Present
- Leading a team of 20 to provide networking, A/V, workshops, and scheduling for the largest collegiate hackathon
 - Determined travel reimbursement rules and implemented automation scripts for their assignment
- A Deep Learning Approach to Lossy Image Compression** January 2019 - Present
- Exploring the use of autoencoders and image segmentation to perform extreme image compression

(References available on request)