

Dhanvee Ivaturi

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EDUCATION

University of Maryland, College Park
Bachelor of Science, Computer Science and Mathematics

August 2018 - Decemeber 2021
Overall GPA: 3.67

TECHNICAL SKILLS

Languages	Python, Java, Golang, Matlab, Linux Bash, LaTeX, JavaScript, Git
Frameworks	Docker, Kubernetes, Jenkins, Scikit-Learn, TensorFlow, Jupyter notebooks, Pandas, Selenium
Technologies	Deep Learning, Data mining, Build automation, Containers, Microservices/Service Mesh

WORK EXPERIENCE

Symantec Corporation	May - August 2019
Software Engineering Intern - Cloud Platform Engineering	Mountain View, CA
<ul style="list-style-type: none">· Implemented <i>Jenkins</i> integration tests for a cloud service by adding thorough test cases for 10+ REST endpoints· Created a configurable and lightweight metrics reporting container in <i>Golang</i> - works with all Symantec products· Designed <i>Grafana</i> dashboards to effectively visualize metrics from any given service	

HuEx Inc	June - November 2018
Data Analysis Intern	Palo Alto, CA
<ul style="list-style-type: none">· Analyzed 10 GB of raw CSV travel data to identify product-market fit and target markets with <i>Pandas</i>· Scraped various websites with <i>Python</i>, <i>Selenium</i>, and <i>BeautifulSoup</i> for data that helped decide target market	

PERSONAL PROJECTS

Moody	HackRU — March 2019
<ul style="list-style-type: none">· Implemented a deep CNN to predict a user's emotion with a picture of their face using GCP and TPUs· Designed and integrated ML backend with web backend using <i>Flask</i>· <u>1st place winner and best AI hack @ HackRU</u>	

Improving Breast Cancer Diagnosis through Machine Learning	September 2017 - May 2018
<ul style="list-style-type: none">· Compared various ML algorithms (<i>KNN</i>, <i>SVM</i>, <i>Logistic Regression</i>, <i>Neural Nets</i>) 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 <u>Synopsys Silicon Valley science fair</u>, competed in the <u>Intel International Science Fair 2018</u> as a finalist	

A Deep Learning Approach to Lossy Image Compression	January 2019 - Present
<ul style="list-style-type: none">· Working in a team of 3 under the guidance of Dr. Raymond Tu @ the FIRE COML lab· Exploring the use of image segmentation and autoencoders for superior image compression	

Open Sesame – Wi-Fi Garage Door Opener	June 2018
<ul style="list-style-type: none">· Designed and assembled a system with a <i>Raspberry Pi</i> that would provide 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	

Project Incendium	SBHacks — December 2018
<ul style="list-style-type: none">· Implemented a neural network model to predict the size of a wildfire based on location, temperature, etc.· Scraped historical weather data to look for correlations between weather patterns and wildfires	

EXTRACURRICULARS

Logistics Director @ Bitcamp	November 2018 - Present
<ul style="list-style-type: none">· Leading a team of 22 to provide networking, A/V, workshops, and scheduling for the largest collegiate hackathon· Determined travel reimbursement rules and implemented automation scripts for their assignment	