SHASHANK GINJPALLI

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EDUCATION

Arizona State University| Computer Science BS |Barrett Honors College
[Graduating May 2021]
Ira A. Fulton Schools of Engineering Dean's List
MAJOR GPA: 3.94

[Expected MS 2023]

Relevant Coursework

Algorithms and Data Structures
Artificial Intelligence/Machine Learning
Cyber Security
Distributed Computing
Software QA and Testing
Operating Systems
Database Management
Linear Algebra
Discrete Mathematics
Probability & Statistics

Languages and Technologies

Fluent

Python | C/C++ | Java | Swift |C# | SQL | HTML | CSS | Bootstrap |.NET | RESTful and SOAP Services

Familiar

ReactJS | Keras | NumPy | Selenium | NLTK | TensorFlow | OpenCV | Neo4j | Docker | AWS | Google Cloud Platform | d3.js

Research

Kaleidoscope: Visual Investigation of Coverage Diversity in News Event Reporting (Co-Author)
[Submitted to EuroVis 2021]
Assisted in determining if bias exist in news outlets by clustering news articles based on similarity and Stanford's NER library to determine the tone of the article.

EXPERIENCE

Undergraduate Researcher | Sonoran Visualization Lab | Arizona State University
[AUGUST 2019 – PRESENT]
Using Bayesian modelling to determine what factors make a data visualization more complex under the supervision of Dr. Chris Bryan, an ASU Professor.

Undergraduate Researcher | Fulton Undergraduate Research Initiative | Arizona State University
[JANUARY 2020 – MAY 2020]
Developed a pipeline under the supervision of Dr. Chris Bryan to determine if NLP can be used to automatically recommend datasets based on an article
FURI Project Link

AI Intern | AutonomIQ
[MAY 2019 – AUGUST 2019]
Created a multithreaded selenium-based smart scraper which provides the data to an automated quality assurance application so that it can generate and execute testcases for a web application

Student Worker | ASU University Technology Office
[OCTOBER 2017 – DECEMBER 2018]
Worked in the IT team where I managed inventory of school devices and solved support tickets from staff and students

PROJECTS

AWS DeepRacer
[JANUARY 2020 – DECEMBER 2020]
Developing a 1/18th scale camera-based self-driving car that runs on ROS (Robot Operating System) to compete in the AWS Deep Racer Competition
Skills Used: Deep Learning, Reinforcement Learning, AWS, Docker

Deep Learning Applications – Self Driving
[JUNE 2020]
Used Udemy to learn Deep Learning and OpenCV by using them to train a self-driving car and evaluate its performance around a track in a simulator
Skills Used: Keras, TensorFlow, OpenCV, NumPy, SK-Learn

MovieList
[NOVEMBER 2019]
Created a Swift application that serves a location to compile a list of movies that you would like to watch. The app uses web APIs in order to fetch information about the movie such as ratings and movie trailers
Skills Used: Swift, CoreData, Multithreading, Rest API's, IOS, Mobile Dev

Graph Algorithms
[APRIL 2019]
Created a Website that uses animations in order to teach how some popular graph traversal algorithms work
Skills Used: HTML, CSS, Bootstrap, D3.js