SHASHANK GINJPALLI

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EDUCATION

University of California, San Diego | Computer Science MS
[SEPTEMBER 2021 – JUNE 2023]

Arizona State University| Computer Science BS |Barrett Honors College
[AUGUST 2017 – MAY 2021]
Ira A. Fulton Schools of Engineering Dean's List
Graduated Summa Cum Laude
GPA: 3.86

Relevant Coursework

Algorithms and Data Structures
Artificial Intelligence/Machine Learning
Cyber Security
Distributed Computing
Database Management

LANGUAGES & TECHNOLOGIES

Languages

Python | C/C++ | Java | Swift | C# | HTML/CSS | SQL | JavaScript

Technologies/Frameworks

ReactJS | Keras | Sk-Learn | NumPy | Selenium | NLTK | TensorFlow | .NET | Express | Elastic Search | Kibana | Docker | AWS | GCP

RESEARCH PAPERS

Bayesian Modeling of Alluvial Diagram Complexity (Co-Author)
Developed a Bayesian model to classify the complexity of Alluvial Diagrams based on their visual features.

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

EXPERIENCE

Engineering Intern | General Dynamics Mission Systems
[JUNE 2021 – PRESENT]
Implemented health monitoring and stability tools on a Data Analytics platform for Threat Assessment across the BICES-X intelligence and communications network

Undergraduate Researcher | Sonoran Visualization Lab | Arizona State University
[AUGUST 2019 – JUN 2021]
-Co-authored 2 machine learning and data visualization research papers under the supervision of Dr. Chris Bryan, an ASU Professor
- Developed a to determine if NLP can be used to automatically recommend datasets based on an article and presented the project in the April 2020 FURI Symposium in front of other ASU faculty and students

AI Intern | AutonomIQ
[MAY 2019 – AUGUST 2019]
Using multi-threading, I reengineered a Selenium-based smart scraper with 3 times the performance which allowed customers to use the app to generate and executes testcases for a significantly larger web application.

Student Worker | ASU University Technology Office
[OCTOBER 2017 – DECEMBER 2018]
Worked in the university IT team where I resolved over 200 support tickets for students and staff managed an inventory of over 500 devices

PROJECTS

AWS DeepRacer
[JANUARY 2020 – DECEMBER 2020]
Developed 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: Amazon RoboMaker, Reinforcement Learning, AWS, Docker

Deep Learning Applications – Self Driving
[JUNE 2020]
Used Udemy to learn about Deep Learning and OpenCV by training a self-driving car model to successfully drive around a track in a simulator
Skills Used: Keras, TensorFlow, OpenCV, NumPy, SK-Learn

MovieList
[NOVEMBER 2019 – DECEMBER 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

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