Siddharth Venkatraman

Austin, Texas | (512) - 363 - 6565 | sid.venkatraman17@gmail.com | sidvenkatraman.pythonanywhere.com

EDUCATION

Texas A&M University, Bachelor of Science in Computer Science – College Station, Texas
College of Engineering, Engineering Honors Program (2020 – Present)
- GPA: 3.93
- Expected Graduation Date: May 2024

Vandegrift High School – Austin, Texas
Graduated in Top 5.8% of Class (37 of 640)
- GPA: 4.00 Unweighted, 5.425 Weighted

HONORS AND AWARDS

- Craig and Galen Brown Foundation Scholarship
- National Merit Scholarship
- National AP Scholar
- President's Endowed Scholarship
- AP Capstone Diploma

COMPUTER SCIENCE EXPERIENCE

Software and Programming Languages: Java, Python, C++, SQL, Django, Pandas, GitHub

Databases: MySQL

Data Processing and Visual Analytics: Celonis, Tableau

The Ultimate MySQL Bootcamp – Udemy Course
January 2022
- Developed a sample Mailing List Web Application using NodeJS and MySQL
- Created complex SQL queries across multiple tables
- Used SQL to write queries, analyze real-world data, and generate conclusions

Tableau 2020 – Udemy Course
December 2021
- Created various displays including animated charts and interactive dashboards
- Analyzed real-world data and created various projections of findings
- Analysis Profile: https://public.tableau.com/app/profile/siddharth.venkatraman

Texas A&M Datathon - TamuDatathon
Data Science Hackathon, October 2021
- Worked with a team of 3 and used the Celonis Data Processing Tool to create dashboards and analyze datasets for a sample business, then provided recommendations for improvements on profits and efficiency
- Completed the Celonis Challenge and earned the CelonisCertified Badge
- Final Project: https://devpost.com/software/mama-mia-pizzeria-celonis-tamu-datathon-challenge-2021

Texas A&M Hackathon - HowdyHack
Hackathon Participant, September 2021
- A 24-hour event, in which my team of 4 worked with Unity to create a music-based program

Django 3 Full Stack Websites – Udemy Course
June 2021
- Learned how to use Django with Python to create full stack websites
- Personal Portfolio Website: Used Django to create my own portfolio website (sidvenkatraman.pythonanywhere.com)
- Other Sample Websites: Created a password generator website and a website that functions as a to-do list

University of Texas at Austin – High School Research Academy
High School Researcher, May 2019 – July 2019
- Analyzed data in the field of astronomy by working with Jupyter Labs, Python, and the Pandas library
- Identified patterns in Galaxy Evolution by analyzing trends within data sets

Vandegrift High School Computer Science Courses
August 2017 – May 2020
- Studied 3 years of Computer Science (2 years of Java, 1 year of Python) and created various projects
- Fantasy Basketball League (Java): The user drafts a team based on real player data, and manages it throughout a season as it competes against other teams in the league
- Robotics Competition Simulator: Uses previous years' data to run multiple simulations of future competitions and determine probabilities of various outcomes

ORGANIZATIONS AND LEADERSHIP

Freshman Leadership Organization – Freshman Leaders Establishing Excellence (FLEX)
Freshman Member (2020 – 2021), Zone Leader (2021 – Present)
- As a Zone Leader, I oversee a zone of 15 freshmen and create opportunities for freshman involvement
- Help connect freshmen throughout the organization to others on campus

Texas A&M Fish Camp
Camp Member (2020 – 2021), Camp Counselor (2021 – Present)
- As a Counselor, lead a discussion group of 9 freshmen during camp and throughout the year
- Attended trainings throughout the summer on facilitating small groups and working with a partner

COMPUTER SCIENCE COURSEWORK

Fall 2021	**Spring 2022**
- Introduction to Program Design and Concepts - Introduction to Computing - Discrete Structures for Computing	- Data Structures and Algorithms - Computer Organization - Programming Languages

VOLUNTEER WORK

The Big Event at Texas A&M
Volunteer, 8 hours, 2021
- Helped local families remove litter and large branches from a creek in College Station
- Worked with a team of 12 other students to facilitate the cleanup

Lake Travis Community Library
Library Volunteer, 38 weeks, 3 hours per week (2017-2018)
- Directly worked with patrons and staff by shelving books, organizing the library, and assisting the visitors
- Worked with the library staff on various projects throughout the library