

Srikar Kusumanchi

GitHub

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EDUCATION

RAVENWOOD HIGH SCHOOL

Aug 2021 - May 2025 | Brentwood, TN

WOODLAND MIDDLE SCHOOL

Grad. May 2021 | Brentwood, TN

LINKS

Instagram:// srikark1707

GitHub:// SK-crypto773

GitHub Gists:// SK-crypto773

LinkedIn:// srikar-kusumanchi

Quora:// Srikar-Kusumanchi

COURSEWORK

HARVARD UNIVERSITY

CS50

JOHN HOPKINS UNIVERSITY

COVID-19 Contact Tracing

STANFORD UNIVERSITY

Machine Learning

WOODLAND MIDDLE SCHOOL

Geometry Honors

Algebra I Honors

Spanish I Honors

TECHNICAL SKILLS

Proficient:

- Python • C • SQL • HTML
- CSS • Octave • MATLAB

Familiar with:

- Shell • JavaScript

SKILLS

- Great Communication Skills
- Decision making capabilities
- Self-Motivation
- Mathematical Skills
- Problem Solving Capability

LEADERSHIP

2020 - 2021 Debate Captain

2019 - Present Assistant Patrol Leader

2018 Patrol Leader in Boy Scouts

EXPERIENCE

ROBOTICS | TUTOR

July 2020 - Present | Brentwood Tennessee

I tutored kids ranging from ages 9-13 on robotics/programming. I created fun and challenging problems for them using GoPiGo3 as the robot to experiment with. I held private and group tutoring sessions.

PROJECTS

AI LEARNS TO FLAPPY BIRD

- Used neuroevolution of augmenting topologies(NEAT)
- Programmed both the AI and game environment
- Uses Python

CREDIT CARD TRANSACTION FRAUD DETECTION

- Detects if a transaction is fraudulent or not
- Uses a Convolutional Neural Network (CNN)
- 96.6 percent accuracy

STOCK TRADING WEBSITE

- Allows users to buy and sell stocks
- Uses real life stock data
- Coded using Flask, SQL, and HTML

CORONAVIRUS VOICE ASSISTANT

- Capable of handling full sentences
- Customizable voice
- Gives Real-Time Data

SUDOKU GAME SOLVER

- Built a GUI for users to play Sudoku
- Implemented a solver that can solve a board in half a second.
- Uses a backtracking algorithm

ROBOT

- Can act as a surveillance bot
- Can be controlled using Alexa

AWARDS AND ACCOMPLISHMENTS

2019 2nd place in Collierville Debate Tournament

2019 Top 10 percent scholar

2020 Top Scholar

2020 Runner-Up Productivity Hack at SigmaHacks

CERTIFICATIONS

2020 Python Programmer DataCamp

2020 Python (Programming Language) LinkedIn

2020 HTML LinkedIn

2020 Cascading Style Sheets (CSS) LinkedIn