Vinay **Venkatesh**

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Education

Lynbrook High School _San Jose, CA_
Aug 2020 – Jun 2024

GPA: 3.71/4.00
Inspirit AI
ARTIFICIAL INTELLIGENCE _Dec 2020 – Jan 2021_

Experience

ProtoHacks _San Jose, CA_
FOUNDER & WEB MASTER _Feb 2021 – Present_
- Marketing - Marketing ProtoHacks to maximize hackathon attendance through social media and school emails
- Website Development and Maintenance - Developing and maintaining ProtoHacks website with HTML, CSS, and JavaScript
- Managing Operations - Managing operations and funding by reaching out to ventures and contacting companies for sponsorships

Lynbrook High School FRC Team 846 _San Jose, CA_
SOFTWARE TEAM _Aug 2020 – Present_
- Website Development - Using JavaScript, HTML, CSS to develop a dashboard to control robot settings
- Robot Software Development - Wiring software with Kotlin and Scala for a competition level robot

Inspirit AI
INSPIRIT AI FELLOW _Mar 2021 – Present_
- Outreach - Contacted schools, clubs, and people to gain communication skills
- Leadership - Learning leadership skills through presentations surrounding Artificial Intelligence fields

Skills

Programming Languages: Python, JavaScript, HTML, CSS, Go Lang, C#, C, Kotlin, Swift
Python Libraries: PyTorch, Tensorflow, Numpy, Pandas, And More
Industry Knowledge: Machine Learning, Web Development, iOS Development, Robotics, Artificial Intelligence
Other: Rowing, Saxophone

Projects

libmaths _Python_
A PYTHON LIBRARY DEDICATED TO BRINGING AN EFFICIENT GRAPHING AND MATHEMATICAL EXPERIENCE TO _https://pypi.org/project/libmaths_
PROGRAMMERS LOOKING TO IMPLEMENT MATH FUNCTIONS IN THEIR CODE. _https://github.com/4pz/libmaths_

TradeAlgo _Python, TD Ameritrade API_
TRADEALGO IS A QUANTITATIVE TRADING ALGORITHM USING THE TD AMERITRADE API AND SEVERAL DATA SOURCES
TO PLACE EDUCATED ORDERS ON PENNY STOCKS. _https://github.com/4pz/TradeAlgo_

VoiceNotes _Swift, HTML, CSS, JavaScript_
VOICENOTES IS AN IOS APPLICATION CREATED TO HELP STUDENTS WITH LEARNING DISABILITIES. THE INCAPABILITY
TO UNDERSTAND SPEECH IS A SERIOUS ISSUE FOR STUDENTS WITH LEARNING IMPAIRMENTS. VOICENOTES HELPS _https://github.com/4pz/VoiceNotes_
SOLVE THAT PROBLEM WITH ITS ABILITY TO CONVERT SPEECH TO TEXT EFFICIENTLY.

ArmVision _Python, Google Colab, Tensorflow, PyTorch_

ARMVISION IS AN OBJECT DETECTION PROGRAM UTILIZING ARTIFICIAL INTELLIGENCE (AI) CONCEPTS SUCH AS
CONVOLUTIONAL NEURAL NETWORKS (CNNS) TO IDENTIFY FIREARMS IN REAL TIME VIDEO USING THE YOU ONLY _https://github.com/4pz/ArmVision_
LOOK ONCE (YOLO) ALGORITHM AIMING TO REDUCE CASUALTIES CAUSED BY GUN VIOLENCE .