

# Vinay Venkatesh

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## Education

### Lynbrook High School

GPA: 3.71/4.00

#### Inspirit AI

ARTIFICIAL INTELLIGENCE

San Jose, CA

Aug 2020 – Jun 2024

Dec 2020 – Jan 2021

## Experience

### generAI

SWE Intern

- Developing Web and Mobile applications to connect content creators with brands
- Working on Front and Back-end development to create a production level full stack application

San Jose, CA

Jul 2022 – Sep 2022

### Aspiring Scholars Directed Research Program (ASDRP)

Researcher

- Scraped social media platforms for data
- Applied data to generate models and identify political bias with Dr. Phil Mui

San Jose, CA

Apr 2021 – Aug 2021

### Lynbrook High School FRC Team 846

SOFTWARE TEAM

- 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

San Jose, CA

Aug 2020 – Aug 2021

### Inspirit AI

INSPIRIT AI FELLOW

- Outreach - Contacted schools, clubs, and people to gain communication skills
- Leadership - Learning leadership skills through presentations surrounding Artificial Intelligence fields

Mar 2021 – Apr 2021

## 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

A PYTHON LIBRARY DEDICATED TO BRINGING AN EFFICIENT GRAPHING AND MATHEMATICAL EXPERIENCE TO PROGRAMMERS LOOKING TO IMPLEMENT MATH FUNCTIONS IN THEIR CODE. 100+ Stars on Git

Python

<https://pypi.org/project/libmaths>

<https://github.com/4pz/libmaths>

### TradeAlgo

TRADEALGO IS A QUANTITATIVE TRADING ALGORITHM USING THE TD AMERITRADE API AND SEVERAL DATA SOURCES TO PLACE EDUCATED ORDERS ON PENNY STOCKS. 150+ Stars on Github

Python, TD Ameritrade API

<https://github.com/4pz/libmaths>

### VoiceNotes

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 SOLVE THAT PROBLEM WITH ITS ABILITY TO CONVERT SPEECH TO TEXT EFFICIENTLY.

Swift, HTML, CSS, JavaScript

### ArmVision

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 LOOK ONCE (YOLO) ALGORITHM AIMING TO REDUCE CASUALTIES CAUSED BY GUN VIOLENCE .

Python, Google Colab, Tensorflow, PyTorch

Closed Source