MANNAN SHUKLA

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I'm an aspiring technology professional with various passion projects. I'm always excited to enhance and further my knowledge through practical experience. I'm also looking toward the future by pursuing the Google TensorFlow Developer Certification which shows proficiency with Machine Learning concepts and development. I am a capable leader with years of public speaking experience. I connect with team members and encourage everyone to speak out and incorporate their ideas.

EXPERIENCE

President and Founder/RHS Hackathon Club   2019 - Present

Organization at Robbinsville High School that competes in Hackathons, competitions where participants are tasked with creating a software solution to a given problem within an allotted timeframe. Participants are then judged and awarded prizes for their creations.

As President I:

- Created the inital proposal for the club with a sound value proposition which was presented to the board
- Manage club finances
- Created the club website
- Chose leadership positions
- Run meetings

Participant/Model United Nations   2019 - 2020

Students are assigned a nation and are made to debate on a predetermined issue with other students. Participants are judged and awarded based on their performance.

- Earned Best Delegate for Fall Mock 2019
- Earned Invitation to SouthMUNC for Spring Mock 2020

Participant/Toastmasters   2016 - 2018

Toastmasters is a worldwide nonprofit organization which teaches people of various ages about public speaking.

- Won 2nd for an improvisation speech
- Was in the Advanced group from 2017-2018
- Attended multiple adult competitions for observation

Programmer/FIRST Robotics   2016 - Present

FIRST (For Inspiration and Recognition of Science and Technology) is a worldwide robotics community which provides challenges to be completed by robots. I always worked with programming at each level of FIRST. I held leadership positions across my 3 teams going from middle school to high school.

Work:

- Used Lego Robotics Block Coding
- Used Java's object oriented concepts
- Worked with a given TensorFlow library for object recognition
- Worked with PID feedback loops
- Worked with motion profiling
- Gave updates to sponsors
- Made pitches to potential sponsors
- Gave advice to new teams during competitions
- Wrote blogposts for the team website

Awards:

- FLL States from 2016-2018
- FTC Programming Award in 2019
- FRC Worlds in 2020

PROJECTS

neossg   2020 - 2021

A simple and configurable static site generator created with Python

- Initially created a version written in Shell for HackPHS 2020

- Currently implemented for use on my development blog

quickplay **2020**

A small program using mpv and youtube-dl to make internet video playback easier from the UNIX commandline

bib **2021**

Simple web api for Instagram created with Python and the flask webserver

metachan **2018 - Present**

An elegant imageboard made for the modern web, written in Flask

EDUCATION

Robbinsville High School **2018 - Present**

- GPA 4.35
- Honor Roll All Years
- Took all Honors Classes or Higher
- Took AP Physics, AP Calculus, and AP Computer Science
- Took All Available Engineering and Media Classes

Google TensorFlow Developer Certification **Present**

I'm currently pursuing the TensorFlow Developer Certification which is used to demonstrate proficiency in using TensorFlow to solve Deep Learning and Machine Learning problems. I am expected to finish this summer.

SKILLS

- Languages: Java, Python, C, Shell
- Operating Systems: GNU/Linux, macOS, OpenBSD, Windows 7/10
- Web Development: HTML, CSS, Markdown, Flask
- Misc: vim, Final Cut Pro, GSuite, Apple iLife, Microsoft Office

PERSONAL

- Embedded Technology
- Niche Operating Systems
- Volleyball
- Running
- Mountain Biking
- Literature
- Japanese