MANNAN SHUKLA

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I'm a motivated student and 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 an find ways to make everyone's voices and heard and ideas incorporated.

EXPERIENCE

President and Founder/RHS Hackathon Club   **2019 - Present**

School club 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 a presentation for 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. Competitions are held and prizes are awarded for good performances.

- Won 2nd for an improvisation speech
- Was in the Advanced group from 2017-2018
- Attended multiple adult meetings in Mercer County

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 EV3 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
- Spoke to 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 used for 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 4.3
- 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
- Web Development: HTML, CSS, Markdown, Flask
- Misc: vim, Final Cut Pro X, GSuite

PERSONAL

- Technology
- Homebrew development for Nintendo DS
- Volleyball
- Running
- Mountain Biking
- Reading Literature
- Human Language