

Mayank Govilla

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OBJECTIVE CS student at WPI with 3 years of Java/Python experience and a learning-oriented mindset. Seeking internship or Co-Op experience for Fall 2020

EDUCATION **Worcester Polytechnic Institute (WPI) | Worcester, Ma**
Bachelor of Science in Computer Science, GPA 3.93 / 4.0 May 2023
Bachelor of Science in Robotics Engineering, GPA 3.93 / 4.0 May 2023

Related Courses: Algorithms/Data Structures, Object-Oriented Design, Linear Algebra

SKILLS
Languages: Python, Java, Dart (Flutter), HTML/CSS, and C++
Tools: Github, HTTP, Linux, Arduino, OpenCV, Google Firebase
Software: IntelliJ, Adobe Illustrator, Adobe Photoshop, Microsoft Suite

EXPERIENCE **Intern at Harmoni Biosolutions | Remote** Jun 2020 – Aug 2020

- Wrote Python script to analyze NGS data 5x faster using multiprocessing saving over 80 hours per analysis
- Moved the existing data pipeline to the Cloud with Terra

Intern at Technolexis Pvt Ltd | Hyderabad, India Jul 2018 – Aug 2018

- Worked with 4 engineers to design and produce 5 Arduino robots with 3D printed parts, each for under \$10
- Taught students the basics of programming at 3 schools in India
- Presented our work to over 100 engineering students at DSVV

PROJECTS **Sudoku Solver/Generator (Personal)** Jun 2020

- Implemented Algorithm X with Dancing Links to generate solved Sudoku boards
- Designed a human-like solver to generate real puzzles with accurate difficulty ratings

Bannerweb App (Personal) Dec 2019

- Programmed an app with Flutter to access Bannerweb from a phone
- Used HTTP to get information straight from the website
- Designed reactive UI to display user's schedule

KD Tree Implementation (Algorithms final project) Apr 2020

- Implemented k-d tree data structure in Java with a team of 3 others
- Focused on Nearest Neighbor implementation and presented the algorithm

FTC Robotics Competition Sep 2014 – Apr 2019

- Led team to World Championships as Captain of #4347 NanoGurus
- Nominated for Think Award at Worlds 2018 (best Engineering Notebook)
- Nominated for Connect Award at Worlds 2019 (most impactful outreach)

ADDITIONAL EXPERIENCE

Intern at Nova Product Design, Hackettstown, NJ

Field Technical Advisor, NJ FTC