

# Mayank Govilla

Morris Plains, NJ | mmgovilla@wpi.edu | mgovilla.github.io | (973) 216-8526

**Objective** CS student at WPI with 3 years of Java/Python experience and a learning-oriented mindset. Seeking internship or similar opportunities for Summer 2021

**Education** **Worcester Polytechnic Institute (WPI) | Worcester, MA**  
Bachelor of Science in Computer Science, GPA 3.94 / 4.0 May 2023  
Bachelor of Science in Robotics Engineering, GPA 3.94 / 4.0 May 2023

**Related Courses:** Software Engineering, OS, Computer Networks, Algorithms

**Skills**  
**Languages:** Python, Java, Dart (Flutter), HTML/CSS, and C++  
**Tools:** Git, Linux, Test Driven Development, OpenCV, Google Firebase  
**Software:** GitHub, IntelliJ, Adobe Illustrator, Microsoft Suite

**Experience** **Project Manager for Team A in CS3733 | Remote** Jan 2021 – Mar 2021

- This course was in collaboration with Brigham and Women's hospital to create an indoor pathfinding desktop and mobile application
- Led team of 10 students through 1 week development sprints which included creating user stories, managing GitHub issues/pull requests, and daily scrums
- Applied the observer and singleton design patterns to make a responsive application

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

- Wrote Python script to analyze gene sequencing data 5x faster using multiprocessing saving over 80 hours per analysis
- Moved the existing data pipeline to the cloud (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** **Goatbook App (Hack@WPI)** Jan 2021

- Created subscriber based social media app in a team of 5 over the course of 72 hours
- Responsible for connecting Firebase with UI for google-sign in
- Developed in-app messaging between users through the Firestore database

**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

**Bannerweb App (Personal)** Dec 2019

- Designed reactive UI in Flutter to access WPI schedule from a mobile device
- Used HTTP get/post to access information straight from the website

## Additional Experience

**Intern at Nova Product Design**, Hackettstown, NJ  
**TA for Math Dept**, WPI

**Field Technical Advisor**, NJ FTC  
**Foo Bar**, Google