

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 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: Databases, Computer Networks, Algorithms, Object-Oriented Design

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

EXPERIENCE **Peer Learning Assistant for Calculus at WPI | Remote** Aug 2020 – present

- Manage a virtual class of 20 students to explain problems
- Achieved an overall section average 5 points above the class average

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 (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 in Python to solve Sudoku
- Designed a human-like solver to grade puzzles with accurate difficulty ratings

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

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

ADDITIONAL EXPERIENCE

Intern at Nova Product Design, Hackettstown, NJ
New Member Educator, Sigma Pi Gamma Iota

Field Technical Advisor, NJ FTC
Foo Bar, Google