

# MAYANK GOVILLA

RBE and CS Major at WPI

## PERSONAL PROFILE

I am a student at WPI studying Robotics and Computer Science seeking to apply my knowledge about engineering and gain experience working with others in a professional environment.  
Portfolio: [mgovilla.github.io](https://github.com/mgovilla)

## RELEVANT COURSES

- Intro to OOP
- Systems Programming
- Algorithms

## AREAS OF EXPERTISE

- Programming in Java, Python
- App Development (Flutter)
- Github
- HTML/CSS
- C/C++
- OpenCV and Vuforia
- Prototyping with Arduino

## KEY COMPETENCIES

- Self-reliant
- Objective judge
- Detail-oriented
- Dedicated

## REFERENCES

**Shikha Saxena: FTC Coach**  
[saxenamba@yahoo.com](mailto:saxenamba@yahoo.com)

**Jeffrey Demiceli: CAD teacher**  
[jdemiceli@mhrd.org](mailto:jdemiceli@mhrd.org)

## PERSONAL DETAILS

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Morris Plains, New Jersey

## INTERNSHIPS

**TechnoLexis Pvt. Ltd. (Hyderabad, India)**

**July 2018 - August 2018**

- Worked with the CEO and lead engineers to create ways to engage Indian students in STEM learning programs
- Created 5 Arduino robots each for under \$10 so that underfunded schools can still afford to give students hands-on experience
- Laid the foundation for a new project to make the Arduino robots more reliable and professional by designing our own robotics kit

**Nova Product Design**

**September 2018 - June 2019**

- Used, maintained, and repaired 3D printers in the office: Monoprice Maker Select, the BIBO 3D printer, Markforged Mk 2
- Created a prototype 3D scanner with the parts of an old 3D printer to help model real world parts

## VOLUNTEERING

**Robotics Outreach**

**December 2015 - April 2019**

- Contributed to over 50 events organized by our team
- Personally organized 8
- Helped create and maintain several FLL teams in the community
- Mentored local teams, teaching CAD and other technical skills

**Cambodia Ambassador for FGC**

**November 2017 - July 2018**

- Mentored the 6 students of Team Cambodia, who were all new to robotics
- Dedicated 5 hours a week to Skype with the team and provide feedback
- Assisted the students at their competition in Washington D.C

**Teach Programming in India**

**August 2018**

- Used the Arduino robots from TechnoLexis to design a curriculum
- Trained 3 mentors to teach the course at schools in Shantikunj, India

## COMPETITIONS

**FIRST Tech Challenge**

**September 2014 - April 2019**

- Captain of #4347 NanoGurus
- Focus in building and programming
- Advanced to World Championships every year in my high school career
- Ranked 13th in division in 2018
- Nominated for Think Award (Best Engineering Notebook)

**FBLA Business Competition**

**November 2017 - July 2018**

- Created a sandbox-style video game using Unity
- Presented the game to judges
- First place in New Jersey
- Finalist at Nationals

**Technology Student Association**

**April 2017**

- Built a humanoid writing robot
- Focus in mechanical build
- First place in New Jersey