

# 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)

## AREAS OF EXPERTISE

- CAD (3D and 2D)
- FDM 3D Printing
- Programming in Java, Python
- Android Development
- Machine shop tools
- Microsoft Office
- Adobe Photoshop
- Prototyping with Arduino

## KEY COMPETENCIES

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

## PERSONAL DETAILS:

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51 Gatheringhill Court, Morris Plains, New Jersey 07950

## REFERENCES

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

## VOLUNTEERING

### Outreach for FIRST Tech Challenge

December 2015 - Ongoing

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

### Team Cambodia Ambassador for FIRST Global

November 2017 - July 2018

- Mentored students of Team Cambodia, who had never seen a robot before
- Helped build and troubleshoot their robot remotely
- Accompanied them in their competition in Washington D.C to help them get accustomed to robotics competitions in the US

### Teach programming in India's Underprivileged Schools

August 2018 - Ongoing

- With the Arduino robots from TechnoLexis, designed a curriculum for students to learn the basics of programming hands on
- Visited schools in Shantikunj, India to pilot the curriculum with high schoolers

## INTERNSHIPS

### TechnoLexis Pvt. Ltd. (India)

July 2018 - August 2018

- Created 5 small Arduino robots with sensors that are easy to program
- Learned about the 3D printing market in India
- Planned a cheap robotics controller based on the Arduino and REV Robotics Expansion Hub

### Nova Product Design

September 2018 - June 2019

- Maintain and repair 3D printers in the office
- Learned about Onshape
- Creating a cheap 3D scanner with the parts of an old 3D printer to help model real world parts to design new ones

## 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)

### Future Business Leaders of America

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

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