

# Prathik Murthy

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## EDUCATION

### Michigan State University, College of Engineering

East Lansing, MI

*Bachelor of Science in Computer Science*

Expected Graduation: May 2024

Relevant Coursework: Calculus I, Programming I (Python), Engineering I

### Troy High School

Troy, MI

*High School Diploma*

Cumulative GPA: 3.75 / 4.00

August 2016 – May 2020

## TECHNICAL SKILLS

**Languages:** Java, Python, C++, HTML, CSS, JavaScript

**Software:** Word, Excel, PowerPoint, Git, Firebase, Autodesk Inventor, Solidworks

**Platforms:** Windows, AndroidOS

## RELEVANT ACTIVITIES

### Michigan State University Formula SAE

August 2020 - Present

- Student-led competition to design, build, and race small, Indy style race cars

### Spartan Hackers

August 2020 – Present

- Student organization for programmers and hackers at Michigan State University

### FIRST Robotics Competition – President / Engineering Lead - Team 226

August 2016 – May 2020

- Led team of over 100 students to design, build, and program a large competition robot, resulting in our first event win in over 20 years
- Gained proficiency in advanced manufacturing, Computer Aided Design, and Java
- Created over 100 detailed documents to facilitate continuation of knowledge
- Taught groups of 15-30 students in topics ranging from basic design theory to advanced machining using a manual mill, lathe, and CNC router

### FIRST Tech Challenge – Founder / Mentor – Team 13643

March 2017 – May 2020

- Founded and mentored team of 12 middle school students, teaching them essential engineering concepts and skills
- Created and taught over 100 lessons in basic engineering concepts to groups of 20-50 middle school students

## INDEPENDENT PROJECTS

### *prathikmurthy.github.io*

August 2020

- Built a portfolio webpage entirely from scratch using HTML, CSS, and JS
- Self-taught used languages entirely through online resources and materials

### *Expensive*

- Single-handedly designed and built an android app for tracking daily expenses
- Used Firebase for account authorization and web integration

December 2019

## WORKPLACE EXPERIENCE

### Eye Level Learning – Academic Tutor

May 2019 – March 2020

- Tutored groups of 10-30 students in topics ranging from basic arithmetic to SAT/ACT course prep
- Created a detailed curriculum for teachers to use to teach advanced mathematics to younger students, currently used in centers across Michigan

## HONORS & AWARDS

**Magna Cum Laude** – Awarded for graduating GPA

May 2020

**FIRST Dean's List Award** – Awarded to who best show skills of leadership and teamwork

March 2019