

# AMITH POLINENI

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amithp.com

## CURRENT EDUCATION

**Sophomore** at Thomas Jefferson High School for Science and Technology

I am enrolled in AP Computer Science and Pre-Calculus, and I have taken Design & Technology.

Current GPA: 3.85/4.0 (unweighted) 4.33/4 (weighted)

PSAT: Math 740; Language: 620; Total: 1360/1500

## ABOUT

I'm a passionate high schooler who is determined to solve problems with mechatronics. Currently, I'm only in high school, but I'm ready, prepared, and full of passion to start entry level positions.

## CURRENT PROJECTS & INTERESTS

- Team Tiny House – Co-president – We design and construct a sustainable house with the latest technology.
- Assistive Technology Club – Activities Coordinator – we make accessible computer games for young children with speaking-disabilities.
- Robotics – Webmaster - Botball Robotics team
- Rocketry – member of The American Rocketry Challenge team.
- Virginia Space Coast Scholars – research and package findings from past NASA missions, and I formally propose future missions.
- AmithP.com – using online resources, I taught myself to code an aesthetically pleasing website in HTML.

## TECHNICAL SKILLS

- Programming in Java, Python, C++, HTML, CSS, and JavaScript
- UI/UX design for websites
- Microelectronics (especially Arduino)
- Computer-aided design (CAD)
- Google Firebase Database
- Microsoft Office and G-Suite

## EXPERIENCE

### Robotics Research Assistant

George Mason University

**June 2022 - Present**

- Help undergraduate and graduate students research, construct, and test their robotics research projects.
- Design mechanical components with CAD software.
- Program microcontrollers to control actuators and sensors.