

# AMITH POLINENI

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amithp.com

## CURRENT EDUCATION

**Sophomore** at Thomas Jefferson High School for Science and Technology: 6560 Braddock Rd, Alexandria, VA 22312.

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

Current GPA: 3.85/4.0 (unweighted)

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

## ABOUT

A passionate high schooler who is determined to solve problems with mechatronics.

I would like to use my experience in programing and engineering robots to assist a company in **Robotics** projects.

## CURRENT PROJECTS & INTERESTS

- Assistive Technology Club - making accessible computer games for local elementary schoolers with disabilities.
- Automotive Engineering Club –researching, designing, and building a full-sized solar car and motorized office chair
- Robotics – member of Botball Robotics team
- Rocketry – member of The American Rocketry Challenge team
- Arduino Personal Robot – researched, designed, built, and programed a personal servant robot with a camera and obstacle avoidance
- AmithP.com – using online resources, I taught myself to code an aesthetically pleasing website from scratch in HTML
- Python Game Box – recreated a few popular games in python with my own spin

## TECHNICAL SKILLS

- Programming in Java, Python, C++, HTML, CSS, and JavaScript
- Microsoft Office and G-Suite Applications
- Microelectronics (especially Arduino)
- Website creation and maintenance
- Google Firebase Database
- Windows and Mac OS experience

## EXPERIENCE

### Library Volunteer

Prince William Public Library System  
**September 2019 – August 2021**

- Created, organized, and ran weekly library programs for children and teenagers, fostering a love in education
- Set up and maintained seasonal book displays, making reading appealing to passersby
- Used the catalog database to keep track of books