AMITH POLINENI

amithpolineni@gmail.com · (571) 606-6123 · AmithP.com

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

SKILLS & HOBBIES

- **Programming** in Java, Python, C++, HTML, CSS, and JavaScript (I maintain personal site)
- **Mechatronics**
- **Microelectronics** (Arduino)
- **Stock market** – day-trading in school's stock market simulator
- **Hackathons** – I won HACK TJ 2021 (beginner's division)
- **Spanish and Telugu**

ACTIVITIES

- **Assistive Technology Club** - making accessible computer games for local elementary schoolers with disabilities.
- **Automotive Engineering Club** –researching, designing, and building a [member] full-sized solar car and [leader] motorized office chair
- **Robotics** – member of Botball Robotics team
- **Rocketry** – member of The American Rocketry Challenge team

PERSONAL PROJECTS

- **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; see GitHub ⬈

EDUCATION

THOMAS JEFFERSON HIGH SCHOOL FOR SCIENCE AND TECHNOLOGY

- Graduation: June 2024
- GPA: 3.87 (unweighted)

Noteworthy courses:

- Design & Technology: basics of CAD, Arduino electronics, C++, and engineering design
- [Current] AP Computer Science & Data Structures

EXPERIENCE

LIBRARY VOLUENTEER, PRINCE WILLAIM 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