

# KAVI PATEL

---

## PROFILE

Highly motivated high school student with a strong background in computer science and Spanish. Passionate about leveraging interdisciplinary methods in technology and humanities to help non-profits and organizations achieve their mission.

## CONTACT

[kavip100@outlook.com](mailto:kavip100@outlook.com)

[me.kavipatel.xyz](http://me.kavipatel.xyz)

(240) 597-6411

## ACTIVITIES AND INTERESTS

[MoCoCovid.com](http://MoCoCovid.com) – Created a website and newsletter to simplify COVID-19 data visualization for Montgomery County residents. Featured in a [WUSA9 News Broadcast](#)

**Maryland Seal of Biliteracy** – Spanish

**Python Programming** – Modeling Tesla Lane Recognition with OpenCV Pre-Image Processing and Coral AI for car and obstacle recognition

**Debate** – Participated in Public Forum Debates in the Montgomery County division. Learned to write compelling arguments and conveying messages through proper speech.

**Executive Council Rho Kappa**

**Honors Society** – Engaging in community service and participating in civic discussions.

## KEY SKILLS

- HTML, Python 3, JAVASCRIPT, Java, MySQL, and SQL Database Management proficient
- Data analytics & Presentation
- Linux Bash Terminal, Server Operator
- Experimental Design & Execution
- Autodesk Inventor (CAD)
- Visual Studio & Eclipse coding

## EDUCATION

### High School Diploma | Northwest High School

SEPTEMBER 2019 – JUNE 2022

- Worked GPA: 4.00, Weighted GPA: 4.79
- Accelerated & Focused Coursework in Computer Science

## EXPERIENCE

### Data Analytics Intern | Health Resources & Services Administration (DHHS)

JULY 2021 - PRESENT

- Leveraged Python programming to run ad hoc analyses on Federally Funded Health Center clinics — datasets ranged from vaccine challenges to Health IT. ([data.hrsa.gov](http://data.hrsa.gov))
- Delivered presentations for stakeholders to inform data-driven quality improvements

### Website Development | Self-Starter during COVID-19 ([kavipatel.xyz](http://kavipatel.xyz))

JUNE 2020-PRESENT

- Spearheaded efforts to help small businesses reach potential consumers during COVID-19 crisis through developing and hosting their websites on Raspberry Pi server (later scaled to AWS server)
- Implemented encryption, generated SSL certificates, published websites on google search console, developed SEO friendly site, marketed products on Facebook/Instagram ads. Example of Small Business Engagement: [dmvempanada.com](http://dmvempanada.com)

### First Robotics Challenge | Northwest High School

SEPTEMBER 2018 - PRESENT

- Worked with cross-functional team to build a multi-thousand dollar autonomous and teleoperated robot
- Led team to overcome programming challenges in Java and Python
- Utilized Raspberry Pi, Python, and Network tables to apply vision tracking and autonomous following for key game objectives

### President | Academy of Biotechnology

AUGUST 2018 – SEPTEMBER 2021

- Learning to operate (MS Excel) Visual Basic to process senior credit data
- Contacting members for presiding issues
- Led day-to-day operations including planning events, counting senior credits to graduate, and other activities

### Junior Secretary | National Honors Society

OCTOBER 2020 – MAY 2021

- Applying computer science to automate mundane tasks (sending emails, verifying credits, etc.). Caring for over 150 junior members.

### Tutor | Mathnasium & Aristotle Circle

JULY 2020 – OCTOBER 2020

- Tutored Elementary and Middle school students in Algebra and Geometry; whilst explaining complicated mathematical concepts in an easy to understand and digestible manner

### Volunteer | Extended Learning Opportunities – Summer Adventures in Learning

JULY – AUGUST 2016 & JUNE – AUGUST 2017

- Assisted teachers in helping students through laboratory exercises in photosynthesis
- Inspired students to pursue fields in STEM through lab experiments 5 hours/day