

# KAVI PATEL

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## PROFILE

Highly motivated high school student with a strong background in computer science. Passionate about leveraging my technical background in technology to help businesses, non-profits, and other students grow to reach their potential.

## CONTACT

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## ACTIVITIES AND INTERESTS

**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 between the Montgomery County division. Learned to write compelling arguments and conveying messages through proper speech.

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

## KEY SKILLS

- HTML, Python 3, JAVASCRIPT, & Java Proficient, MySQL and SQL Database Management
- 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: 4.74
- Enrolled in Academy of Biotechnology
- Accelerated & Focused Coursework in Computer Science

## EXPERIENCE

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

JUNE 2020-PRESENT

- Spearheaded efforts to help local small businesses reach potential consumers during COVID-19 crisis through consulting, developing and hosting their websites on local Raspberry Pi server (Scaled to Digital-Ocean/AWS server)
- 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)

### Tutor | Mathnasium & Aristotle Circle

JULY 2020 - PRESENT

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

### President | Academy of Biotechnology

MAY 2019 - PRESENT

- Learning how to operate MS Excel using 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 - PRESENT

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

### 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
- Utilized Raspberry Pi, Python, and Network tables to apply vision recognition for key objectives

### 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