

KAVI PATEL

PROFILE

Highly motivated college student with a strong background in computer science. Passionate about leveraging interdisciplinary methods in technology and humanities to help organizations achieve their mission.

CONTACT

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(240) 597-6411

ACTIVITIES AND INTERESTS

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.

Photo.KaviPatel.xyz – Maintain and operate a photography blog.

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

B.S. Computer Science | University of Maryland – College Park

AUGUST 2022 – MAY 2026

High School Diploma | Northwest High School

SEPTEMBER 2019 – JUNE 2022

- Worked GPA: 4.00, Weighted GPA: 4.80
- Accelerated & Focused Coursework in Computer Science

EXPERIENCE

Data Analytics Intern | Health Resources & Services Administration/U.S. HHS

JULY 2021 – AUGUST 2022; GS-2, STEP 3

- 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)
- Formulated and helped facilitate rollout of site updates and helped prepare slide decks for public facing webinars (including one with 2500+ participants)
- Rolled out MS Teams and on-premises Azure DevOps for enhanced collaboration across the functional unit

Website Development | Self-Starter during COVID-19 (kavipatel.xyz)

JUNE 2020-MAY 2022

- 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

Team Captain | Northwest Jagbots Team 4638

SEPTEMBER 2018 – MAY 2022

- Worked with cross-functional team to build a multi-thousand dollar autonomous and teleoperated robot on National Instruments hardware with Java
- Led team to overcome programming and engineering challenges
- 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