

# AKSHAY SHIVKUMAR

College Park, MD

☎ (609)-444-8915 ✉ [ashiv@umd.edu](mailto:ashiv@umd.edu) [in](#) [Linkedin](#) [G](#) [Github](#) [P](#) [Personal Website](#)

## EDUCATION

University of Maryland

May 2023

Computer Science - Machine Learning Track

3.66/4.00

Minor: Mathematics

## COURSEWORK

- Data Structures & Algorithms, Data Science, Network Security, Linear Algebra and its Applications, Artificial Intelligence, Machine Learning, Web Development

## WORK EXPERIENCE

Raytheon Technologies and Space [↗](#)

June 2021 - August 2021

Software Engineer Intern

Riverdale, Maryland

- Worked on the NASA Cumulus project, a tool used to render and hash satellite data received from a PO.DAAC satellite.
- Added functionality to maintain a data table's sort state through page changes and refreshes.
- Developed reusable React Redux components to receive API calls and ensured front end continuity of service.
- Created and maintained unit and integration tests using the CI/CD practices.
- Employed use of Agile development practices to tackle 3 dashboard tickets, averaging 5 story points a week, improving dashboard functionality.

Live and Learn Bethesda [↗](#)

September 2020 - May 2021

Director of Zoom IT

Bethesda, Maryland

- Managed 10 Zoom meetings a week, making sure that meetings went according to plan.
- Governed day to day operations of running classes and ensuring customer satisfaction.
- Fielded all technical questions and streamlined communication between the teachers and the students.

## PROJECTS

UMD Course Registration Bot [↗](#) |

December 2021

- Developed a bot in Python using Selenium to automate users registering for courses.
- Capability to holdfile and waitlist for classes if the class section is not open. Returns a list of successful adds, waitlists, and holdfiles to the user's schedule.
- Developing functionality to get the bot hosted on a server so classes can be signed up for the moment they become available by multiple students concurrently.

Stroke Prediction Neural Network [↗](#) |

November 2021

- Utilized a Multi-Layered Perceptron Neural Network, yielding an 85% accuracy in stroke prediction given the training inputs.
- Employed use of tensorflow in building and maintaining training and validations sets.
- Group project with group members as an end of year project for a data science class.

Personal Website [↗](#) |

June 2020

- Built a personal website using HTML, JavaScript, CSS to highlight skills in full stack development.
- Hosting all other small projects built to highlight small scale project development.

## TECHNICAL SKILLS

**Languages:** Python, Java, C, Ruby, JavaScript, SQL, HTML/CSS

**Technologies/Frameworks:** Linux, GitHub, ReactJS, Redux, Git, Selenium, Keras, NodeJS, Docker

## AWARDS/RECOGNITION

University of Maryland, President's Scholarship

Awarded Fall 2019

Department of Computer Science Departmental Honors

Awarded Fall 2021

Deans List

Awarded 3 semesters

College Park Scholars Citation

Awarded Spring 2021