

AKSHAY SHIVKUMAR

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EDUCATION

University of Maryland

Bachelor of Science, Computer Science-Machine Learning Track

Minors: *Cybersecurity, Mathematics*

May 2023

GPA: 3.62/4.0

Relevant Coursework

- Data Science
- Linear Algebra
- Applied Probability and Statistics
- Programming Languages
- Introduction to Artificial Intelligence
- Discrete Structures
- Intro to Computer Systems
- Algorithms

TECHNOLOGIES

- Java, Python, JavaScript, C, Ruby, Rust, OCaml, HTML, CSS, React.js, AWS, Docker, Git, Node.js, DynamoDB

WORK EXPERIENCE

Raytheon Technologies and Space

Riverdale, Maryland

Software Engineering Intern

06/2021 – 08/2021

- Worked on the NASA Cumulus project, a tool used to render and hash satellite data received from a PO.DAAC satellite.
- Full stack software development using React.js, Node.js, DynamoDB, and AWS.
- Used Agile development practices to tackle 3 dashboard tickets, averaging 5 story points a week, improving dashboard functionality.

Live and Learn Bethesda

Bethesda, Maryland

Director of Zoom IT

09/2020 – 05/2021

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

PROJECTS

Reddit Bot Web Scraper <https://ter.ps/sok>

- Developed a Reddit Bot in Python to scrape a user designated subreddit and send information to the designated user.
- Used PRAW and Twilio API to launch the scraper. Currently working to add a frontend component to the bot.

Personal Website <https://ter.ps/sol>

- Built a personal website using HTML, JavaScript, CSS to highlight skills.
- Currently working on implementing React.js elements and getting it hosted on an EC2 instance on AWS.

Polymorphic Binary Search Tree

- Implemented a program using subclasses and interfaces to gain a better understanding how to use polymorphism and inheritance using the BST data structure in Java.
- Employed the use of the Singleton concept to prevent multiple manipulations of the object.

The Odin Project

- Online open-source course for learning full stack web development.
- Currently learning JavaScript & Ruby on Rails and working on projects to develop domain knowledge on full stack web development.

AWARDS/RECOGNITION

- Presidents' Scholarship (University of Maryland) – 4 year scholarship: **(Awarded Fall 2019)**
- Dean's List (Fall 2020, Spring 2021)
- College Park Scholars (Science, Technology, and Society) **(Citation Awarded Spring 2021)**
- University of Maryland Department of Computer Science Departmental Honors **(Awarded Summer 2021)**

EXTRACURRICULAR

- Intramural Basketball and Soccer.
- University of Maryland CS Club