RISHI MULCHANDANI

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Education

University of Illinois Urbana-Champaign **August 2023 – May 2026**
Bachelor of Science in Computer Science *Champaign, IL*

Relevant Coursework

- Data Structures
- Discrete Structures
- Artificial Intelligence
- Linear Algebra
- Probability & Stats
- Software Development
- Calculus III

Experience

Criterion Systems **June 2023 – Present**
Software Engineer Intern *Vienna, VA*

- Working as an intern at IT solutions company Criterion Systems. Part of a team that is working on a project for the Forest Service (FS) under the US Department of Agriculture (USDA).
- Utilizing Microsoft SharePoint, PowerShell, Power Automate, and Excel VBA to resolve technical issues for the FS Mercury Correspondence System.
- Attend regular meetings with the team and representatives from the USDA.
- Led the intern proposal group project to develop a solution for a service-based innovation model.

Johns Hopkins University Applied Physics Laboratory **September 2022 – May 2023**
Research/Machine Learning Intern *Laurel, MD*

- Worked as an intern at the Johns Hopkins University Applied Physics Laboratory with Dr. Caglar Caglayan.
- Conducted research and worked on a project focused on clinical decision-making under uncertainty and medical prediction with Machine Learning algorithms.

University of Maryland, Baltimore County **June 2022 – January 2023**
Research Assistant *Baltimore, MD*

- Worked as a research assistant in Dr. Riadul Islam's UMBC VLSI-SOC Group.
- Collaborated with undergraduate, Masters, and Ph.D. students as well as Dr. Islam on a project centered on Artificial Intelligence and Machine Learning in self-driving cars, collected data and created models.

Maryland Innovation and Security Institute **June 2021 – August 2021**
Cybersecurity Intern *Columbia, MD*

- Worked as an intern over the summer learning about cybersecurity and applying knowledge to real-world cyber problems in our country today.
- Led a group conducting and presenting on a case study on an emerging cyber threat.

Projects

To-Do List App | *HTML/CSS (SCSS), JavaScript, React, NodeJS, Firebase, React Testing* **December 2023**

- Created a to-do list React web application to track, store, and manage create user-created list items.
- Accepted user input, allowed for task creation and deletion, created a feature for scheduled tasks, and implemented database with Firebase.

Gym Workout App | *HTML/CSS, JavaScript, React, NodeJS* **August 2022**

- Created a React web application to plan, create, and track gym workouts on a weekly basis.
- Processed user-inputted information in the back-end of the app to return an organized list and plan of various potential workouts.

Leaders of Economics & Finance in America Website | *HTML/CSS, JavaScript* **March 2022**

- Created a website for a nonprofit organization with chapters across the country that promotes financial literacy in America.
- Utilized HTML, CSS, and JavaScript to create the website from scratch in order to allow flexibility and customization.

Technical Skills

Languages: Python, Java, C++, HTML/CSS, JavaScript, JQuery, ReactJS, Visual Basic for Applications (VBA)
Developer Tools: VS Code, Jupyter Notebook, Express.js, Node.js, Docker
Technologies/Frameworks: GitHub, Microsoft Office, WordPress, SharePoint, PowerShell