

Mohammad Murad

67 Sanctuary Lane • Stafford, VA 22554 • mmurad@virginia.edu • mmurad05.github.io • 301-418-5382

Education

UNIVERSITY OF VIRGINIA

Computer Science w/ Minor in Data Science, GPA: 4.0

Echols Scholar

Relevant Coursework: Data Structures and Algorithms, Intro to Data Science, Discrete Mathematics, Computer Systems & Organization, Software Development Essentials

Charlottesville, VA

Expected: 2024

Experience

UVa Darden School of Business

Research Assistant

Charlottesville, VA

August 2022 – Present

- Worked with Dr. Ian Appel on research regarding the governance and function of Decentralized Autonomous Organizations (DAOs) in Web3.
- Collected, analyzed, and presented statistical findings to Dr. Ian and various business practitioners.
- Utilized Python (web scraping, APIs) and NumPy to collect and process data for further usage and analysis.

theCourseForum

Junior Developer

Charlottesville, VA

September 2021 – August 2022

- Aided in maintaining front and back end of www.thecourseforum.com using Bootstrap 4, JavaScript, HTML, Python, and Django.
- Provided support in efforts to routinely manage and update large databases with PostgreSQL.
- Brainstormed and engineered new features, in frequent collaboration with the Design team, to further improve user experience

UVa Housing & Residence Life

Residential Advisor

Charlottesville, VA

August 2022 – Present

- Accomplish goals and missions of Housing & Residence Life within the community through active engagement and immersion.
- Advise and support upwards of 40 First-year students, including easing adjustment to University life, fostering meaningful connections, and regularly checking in to ensure access to vital information and guidance to succeed at the University.
- Serve as a positive role model by following and implementing the University's Standards of Conduct and Resident Staff expectations.

Leadership & Activities

Pakistani Student Association

Secretary

Charlottesville, VA

September 2021– Present

- Collaborate with current members to organize and host events for 300 members of PSA at University of Virginia.
- Supervise a variety of administrative responsibility, such as coordinating meetings, conveying weekly tasks, and communicating with general body members.
- Provided significant support in organizing a "Desi Dance", the first South Asian formal event at UVa ever, with a budget of \$5,000.

Skills & Interests

Technical: Python, Java, JavaScript, HTML, CSS, Django, Bootstrap, SQL, Amazon Web Services, NumPy

Certificates: Ultimate AWS Certified Solutions Architect Associate (July 2022)

Awards: Best Domain Usage (2021): Awarded at HooHacks 2022

Projects

Hoo Art Thou (2022) – HTML, CSS, JavaScript. A website built collaboratively, which assesses a user's personality based on art piece preferences.

Jom and Terry (2021) – Python. A game where a user controls a mouse and collects cheese while evading an increasingly fast cat.

Movie Classification (2021) – Python, NumPy, Jupyter Notebook. A k-nearest-neighbors classifier based on word usage.

Pocket Calculator (2021) – Python. A 4-function calculator that keeps a log of previous functions called.

Blackjack Simulator (2022) – Java. A blackjack simulator game, along with a blackjack player implementing an optimal playing strategy.