# Mohammad Murad

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Personal Website: mmurad05.github.io

## Education

**University of Virginia,** Charlottesville, VA
Computer Science w/ Minor in Data Science, Expected May 2025
GPA: 4.0.
Relevant Coursework: Data Structures and Algorithms, Intro to Data Science, Discrete Mathematics, Computer Systems & Organization
**Brooke Point High School,** Stafford, VA
High School Diploma, September 2017 - June 2021
Graduated Summa Cum Laude with a GPA of 4.447 and a SAT score of 1500.

## Certifications

Completed the Ultimate AWS Certified Solutions Architect Associate course in July 2022, where I learned how to implement projects in the AWS cloud using services such as IAM, EC2, EBS, EFS, Route 53, RDS, ElastiCache, S3, CloudFront, and many more.

## Experience

*Junior Developer,* **theCourseForum,** Charlottesville, VA, September 2021 - Present
- 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.

*Resident Advisor,* **UVa Housing & Residence Life,** 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.

*Facilities Service Supervisor,* **Aquatic Fitness Center,** Charlottesville, VA, January 2022 - Present
- Greeted and assisted members and guests while enforcing facility access policies.
- Supervised and supported up to 3 assistants at once in their responsibilities as a Facilities Service Assistant.
- Adhered and enforced University and Departmental Policies, while also facilitating a comfortable and motivating environment for assistants and gym members.

*Director of Social Media and Community Outreach,* **Care For Humanity,** Stafford, VA, September 2016 - June 2022
- Designed and built current website, www.careforhumanityva.org, using HTML and Bootstrap 4.
- Collected and analyzed data of website and social media visitors to generate marketing plans, resulting in a significant 30% increase in donations and activity.
- Managed social media accounts to boost interaction and visibility of projects and initiatives to local areas.

## Leadership/activities

*Event Planner/Board Member,* **Student Hip Hop Organization,** Charlottesville, VA, September 2021 - Present
- Arrange and brainstorm hip hop related events for students at the University of Virginia.
- Coordinate with local businesses to host events in support of the LGBTQ+ community and POC minorities.

*Secretary,* **Pakistani Student Association,** 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.

## Projects

- Hoo Art Thou - A collaboration project for the 2022 HooHacks Competition, built with HTML, CSS, and JavaScript. Assesses a user's personality based on art piece preferences. Won first place award for Best Domain Use.
- Jom and Terry - A game built with Python, where a user controls a mouse and collects cheese while evading a cat. The cat gets faster as the users score increases.
- Movie Classification - Built a k-nearest-neighbors classifier using Jupyter Notebook and Numpy to classify a movie genre based on word choice/use.

## Skills

- Technical: Python, Java, JavaScript, HTML, CSS, Django, Bootstrap, SQL, Amazon Web Services, Microsoft Office Suite (Word, PowerPoint, and Excel).
- Language: English (Fluent), Pashto (Conversational), Urdu (Advanced), Hindi (Advanced).