

# Mohammad Murad

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Personal Website: mmurad05.github.io

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## Education

**University of Virginia**, Charlottesville, VA

Computer Science w/ Minor in Data Science, Expected May 2025

GPA: 4.0.

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.

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## 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, and many more. Gained knowledge of software design patterns and best practices.

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## Experience

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

- Aided in maintaining front and back end of [www.thecourseforum.com](http://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.
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## 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.
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## 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.
  - Movie Classification - A k-nearest-neighbors classifier using Jupyter Notebook, Numpy, and Python to classify a movie genre based on word usage.
  - Pocket Calculator - A 4 function calculator built with Python that keeps a log of previous functions called.
  - Blackjack Simulator - Used Java to build a blackjack simulator game, along with a Blackjack player implementing an optimal playing strategy.
  - Word Puzzle Solver - A program that uses a hash-table and a dictionary to solve word puzzles of various sizes.
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## 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).