MOHAMMAD MURAD

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EXPERIENCE

Junior Developer · **theCourseForum** · **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.

Residential Advisor · **UVa Housing & Residence Life** · **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** · **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.

Secretary · **Pakistani Student Association** · **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.

EDUCATION

Charlottesville, VA · **University of Virginia** · **2021 – 2024**

- BA in Computer Science with Minor in Data Science, Expected 2024. Echols Scholar, GPA: 4.0.
- Undergraduate Coursework: Data Structures and Algorithms, Intro to Data Science, Discrete Mathematics, Computer Systems & Organization.

TECHNICAL EXPERIENCE

Projects

- **Hoo Art Thou** (2022). A website built collaboratively, which assesses a user's personality based on art piece preferences. HTML, CSS, JavaScript
- **Jom and Terry** (2021). A game where a user controls a mouse and collects cheese while evading an increasingly fast cat. Python
- **Movie Classification** (2021). A k-nearest-neighbors classier that classified a movie genre based on word usage. Python, NumPy, Jupyter Notebook
- **Pocket Calculator** (2021). A 4-function calculator that keeps a log of previous functions called. Python
- **Blackjack Simulator** (2022). A blackjack simulator game, along with a blackjack player implementing an optimal playing strategy.

ADDITIONAL EXPERIENCE, AWARDS, AND CERTIFICATES

- **Ultimate AWS Certified Solutions Architect Associate (July 2022):** Learned how to implement projects in the AWS cloud using services such as IAM, EC2, EBS, EFS, and many more.
- **Best Domain Usage (2021):** Awarded at the annual HooHacks 2022 to my team's projects, Hoo Art Thou

Languages and Technologies

- Python; Java; JavaScript; HTML; CSS; Django; Bootstrap; SQL; Amazon Web Services; NumPy