

HAMZA SAIF

Chantilly, Virginia | (703) 675-1473 | hsaif@vt.edu | www.hamzasaif.com

Education

- Virginia Tech - College of Engineering:** **Aug 2021 - May 2024**
- *Bachelor of Science, major in computer science, Minor in mathematics*
- Northern Virginia Community College:** **Aug 2019 - May 2021**
- *Associate of Science degree in computer science*
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Projects

Twitter Collections Discovery Portal - MERN, Python, SQL, JSON, Jira, Git.

- Developed a comprehensive web application to consolidate and streamline access to 7 billion tweets stored across three disparate databases.
- Employed an interactive web application using the MERN stack
- Implemented server-side functionality to enable dynamic sorting and filtering of Twitter collections, ensuring efficient data retrieval.
- Coordinated team efforts using Jira for task management and engaged in regular client meetings to refine project goals and adapt to evolving requirements.

VT MarketPlace - Java, AWS (EC2 - S3), Wildfly, Jakarta EE, PrimeFaces, SQL.

- Developed a cloud-based marketplace application enabling users to buy and sell items.
 - Deployed the application on an Amazon EC2 instance for scalable and reliable access.
 - Implemented user authentication with secure login, including hashing and salting of passwords.
 - Designed the database schema using SQL to support data management and retrieval.
 - Utilized Google Maps API to show locations and provide directions to sellers.
 - Integrated reCAPTCHA to enhance security and prevent spam.
 - Leveraged Jakarta EE and PrimeFaces for a robust and interactive user interface.
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Certification

- AWS Cloud Practitioner** **Sept 2024** (in progress)
- AWS Certified Developer** **Oct 2024** (in progress)
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Experience

- Manhattan Pizza - General Manager** **Feb 2019 - June 2022**
- Recruited, trained, and motivated staff to provide exceptional customer service, resulting in an improvement in staff retention and an increase in employee satisfaction.
 - Successfully scheduled, managed, and led a team of 50+ employees, ensuring efficient operations and a positive work environment.
 - Sponsored local schools, hospitals, and public facilities to develop and implement promotional campaigns, resulting in increased brand awareness and sales.
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Technical Skills

- Languages: Java, Python, C, JavaScript, React, HTML, CSS, Bash
- Tools: AWS, Git, MongoDB, SQL, Node.js, Express, Wildfly, Docker