

Murtaza Amjad

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EDUCATION

University of New Haven

B.S. in Computer Science

West Haven, Connecticut

Expected Graduation, May 2026

- o **Concentrations:** General
- o **GPA:** 3.56/4.00, *Dean's List*
- o **Related Coursework:** Data Structures & Algorithms, Databases & SQL, , Operating Systems, Network Technologies, Adv Programming C & C++, Computer Security, Ethical Hacking, Intro to Software Engineering & DevOps, Cloud Computing

SKILLS

Programming: TypeScript, React, React-Native, Python, Pandas, NumPy, Matplotlib, HTML/CSS, SQL, C++, C, C#

Tools: AWS, Metasploit, Nmap, Linux, Jupyter Notebook, Visual Studio Code, MySQL, Unity, Git, Arduino IDE, Microsoft Applications

EXPERIENCE

IQ4

Remote, Connecticut

Intern - Information Security Officer

Jun 2024 – Aug 2024

- Participated as an ISO intern where I analyzed real-world cybersecurity challenges, emphasizing expertise in GRC, SOC, and the NIST Cybersecurity Framework's five pillars: Identify, Protect, Detect, Respond, and Recover.
- Developed strategic solutions for data breach prevention and mitigation, ensuring 100% compliance with security policies and procedures.
- Implemented the NIST Framework to identify threats and formulate robust defensive strategies, effectively mapping cybersecurity function pillars in case studies.

PROJECTS

Murtaza Amjad Portfolio Website

West Haven, Connecticut

[Personal Website](#)

Mar 2024 – Mar 2024

- Developed a dynamic, responsive portfolio website using HTML, CSS, and JavaScript, ensuring seamless functionality across all devices, which improved accessibility and user engagement.
- Employed Agile methodologies for structured project management, organizing tasks into sprints ensuring timely and organized delivery of project milestones.

Classify

Wesleyan University

Full Stack Application - Hackathon

Nov 2024 - Nov 2024

- Engineered a course selection tool with personalized recommendations, enhancing academic planning. Utilized Python, Flask, & Flask-SQLAlchemy for a smart matching algorithm that tailors course and professor suggestions to user profiles.
- Designed a responsive user interface with HTML, CSS, and JavaScript, featuring an autocomplete search that significantly increased user search efficiency by 35%.
- Automated user profile customization through a dynamic survey, boosting signup completion by 50%.

Data-Driven Insights into 19th-Century Publishing Trends

West Haven, Connecticut

Data Science Project

Aug 2024 – Aug 2024

- Analyzed 19th-century book publication trends using Python, pandas, and numpy, revealing key patterns across cities like London, Paris, and New York.
- Developed visualizations with Matplotlib, improving data interpretation by 40% and highlighting significant historical trends.
- Utilized numpy for efficient numerical operations, enhancing processing speed by 30% and ensuring data accuracy in transformations.

CERTIFICATIONS

Cybersecurity Excellence Certificate: The Threat Within and NIST Framework – 350 Related Workforce Experience Hours

Issued by IQ4 & Cybersecurity Workforce Alliance on August 26, 2024

- Awarded for outstanding performance in analyzing real-world cybersecurity scenarios and developing solutions to detect and defend against cyber-attacks and contributed 350 hours of workforce experience.

ACTIVITIES AND LEADERSHIP

University of New Haven Zeta Chapter of Upsilon Pi Epsilon

West Haven, Connecticut

President

Mar 2024 – Current

Computer Programming Club

West Haven, Connecticut

President

Aug 2023 – Current