Muskan Ghetiya

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South Windsor, CT 06074 | (860)-992-3021

EDUCATION

University of Connecticut | School of Computing | Storrs, CT

Bachelor of Science in Computer Science, May 2025

Concentration in Computational Data Analytics

Dean's List 2025

Related Courses: Data Structures and Object Oriented Design, Introduction to Discrete Systems, Computer Architecture, Algorithms and Complexity, Systems Programming, Cybersecurity Lab, Intro to Machine Learning, Principles of Databases, Business Information Systems, Statistical Methods, Artificial Intelligence, Big Data Analytics

SKILLS

Programming Languages: Python, SQL, C, Java, HTML, CSS, Scheme

Developer Tools: Github, VS Code, Brackets, Microsoft Office(Excel, PowerPoint, Word, etc), Google Workspace(Docs, Docs, Sheets, Slides, etc), Scrum Practices, Agile, Kanban

Libraries: NumPy, pandas, Matplotlib

Languages: English, Gujarati, Hindi, Spanish

PROJECTS

Personal Portfolio Project | Storrs, CT

June 2023 - July 2023

- Developed a front-end website utilizing HTML and CSS, showcasing my web development proficiency: https://github.com/muskang25/Muskan.github.io/tree/main
- Website Link: https://muskang25.github.io/Muskan.github.io/

Senior Design Project | Storrs, CT

August 2024 - May 2025

- Designed a real time shark detection and alert system using machine learning and networking technologies to enhance public safety in maritime environments
- Implementing DuckLink technology by programming adaptations, analytics development, or sensor integrations to the open-source ClusterDuck Protocol firmware and developing communications network technology utilizing Visual Studio Code, PlatformIO, and Arduino
- Setting up a network and streaming data to the OWL Data Management System (DMS), a cloud-based analytics suite

WORK EXPERIENCE

Intern | **RentGuruz** | Princeton, NJ

May 2024 - August 2024

- Worked closely with developers to debug issues, updated and maintained databases using SQL
- Collaborated effectively, showcased problem-solving skills and a keen interest in enhancing technical expertise

Administrative - Newsletter & JET Faculty Data Staff | **VII** | Storrs, CT

August 2024 - May 2025

- Collaborate with staff to calculate logistics for awareness promoting events
- Create educational newsletters for the College of Engineering faculty and staff

Academic Head Tutor | **VII** | Storrs, CT

June 2022 - May 2024

- Empower underrepresented students in STEM by fostering awareness to excel academically and professionally through mentorship
- Facilitated learning as a TA for Calculus and Python classes, enhancing students' coding proficiency and computational skills
- Create a sense of community to motivate students to engage and network with each other

ACTIVITIES

Mentee | **Pratt & Whitney ASPIRES Mentorship Program** | Storrs, CT

January 2024 - February 2025

- Seeking mentorship to develop and work towards my career goals
- Expanding my knowledge within aerospace through hands on experience and guidance

Founding Vice President | **Society of Asian Scientists and Engineers (SASE)** | Storrs, CT

December 2021 - May 2025

- Led and facilitated all general body meetings while fostering cultural awareness and appreciation within the organization
- Oversaw coordination between board members, fostering teamwork and alignment on social, professional, and outreach initiatives
- Worked towards establishing SASE's presence on campus and shaping its mission to promote professional growth and cultural appreciation