

SHAMBHAVI GOYAL

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EDUCATION

- **University at Buffalo, The State University of New York** (Anticipated May 2027)
Computer Science (BS), Honors College
Activities: Member of the Leadership House and Women in Science and Engineering

PROJECTS:

Bank Application (Java) (June 2027)

- Developed a Java-based banking application to simulate essential banking operations, including account management and transactions.
- Created functionalities and implemented transaction capabilities for depositing, withdrawing funds, and viewing transaction history.
- Designed a user-friendly menu-driven interface for seamless navigation and operation.

Personality Check Website (JavaScript, HTML, CSS) (November 2023)

- Developed a dynamic personality check website as part of a collaborative effort during a hackathon. The website serves as a platform for users to engage in an interactive personality quiz, providing tailored results based on their responses.
- Implemented a questionnaire quiz with interactive multiple-choice answers.

WORK EXPERIENCE

Math Place Tutor- Thomas J. Edwards Undergraduate Learning Center (May 2024-Present)

- Provided support and tutoring to students in Precalculus, Calculus 1 & 2, Algebra, and Business Math courses.
- Helped students understand math concepts, fostering strong fundamentals and promoting independent learning.

Undergraduate Teaching Assistant: CSE 199 (May 2024- Present)

- Conducted weekly recitations covering modules of misinformation, digital data representation, data mining, computing ethics, internet infrastructure, and privacy.
- Assisted in grading assignments to uphold academic standards and provide constructive feedback.

Resident Advisor- Campus Living (August 2024- Present)

- Guided and supported 30 Honors College students with tailored academic, personal, and career advice, contributing to their overall success.
- Proactively addressed resident concerns to ensure a safe and effective learning environment. Partnered with fellow RAs and campus living staff to create and implement community-building events, activities, and educational programs, enhancing the sense of belonging within the UB community.

University at Buffalo Orientation Office - Orientation Operations Assistant (April 2024-August 2024)

- Utilized orientation databases and systems to update attendance records, coordinate UBLinked events, and support behind-the-scenes logistics.
- Managed logistics for orientation programs, overseeing setup, teardown, and maintenance of event spaces, and equipment, while also coordinating inventory, deliveries, and organized storage of program supplies.

SKILLS & TOOLS

- Computer Skills: MS Excel, PowerPoint, MS Word
- Programming Languages: C, Python, Java, HTML, MySQL
- Tools: IDLE, Visual Studio Code, IntelliJ

CERTIFICATIONS:

- Awarded a certificate from Harvard University for my project on Scratch (December 2021)
- Completed Aptech-certified Python and MySQL Workshop (August 2022- May 2023)
- Awarded by WhiteHat Jr. for successfully designing a Covid-19 Live Dashboard (May 2020)