

SALEHA IFTIKHAR

+1 (718) 551 5561 | iftisa01@gettysburg.edu | [LinkedIn](#) | [Github](#)

EDUCATION

Gettysburg College

Expected Graduation: May 2026

Bachelor of Science in Computer Science; Minor in Data Science; Minor in Mathematics

Awards: Eisenhower Scholar, Dean's Honors List, Dean's Commendation List

Relevant Courses: Object Oriented Programming, Data Structures & Algorithms, Database Systems, AI, Theory of Computation, Assembly Language, Data Science Programming, Visual Communication of Data, Calculus III, Abstract Math, Web Development

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, JavaScript, PHP, HTML, CSS, SQL | **Frameworks/Libraries:** React, Bootstrap, Streamlit, NumPy, Pandas, Seaborn | **Tools/Technologies:** MySQL, Git, Linux

RELEVANT JOBS AND PROJECTS

Computer Science Teaching Assistant

September 2023 - Present

Computer Science Department

Gettysburg College, PA

- Evaluate and grade an average of 30 assignments weekly for intro programming courses, providing timely, detailed feedback.
- Lead weekly office hours, supporting over 50 students in strengthening skills in **Python, Java**, and fundamental programming concepts.
- Collaborate with faculty through bi-weekly check-ins to refine rubrics and enhance assessment fairness.

Digital Engagement Analyst

August 2023 – December 2023

Duke Children's Hospital, Department of Annual Giving

- Analyzed donor engagement data from 50+ phone calls, surveys, and emails using Python, NumPy, and Pandas, uncovering key trends that informed digital strategy improvements.
- Presented data-driven insights to the Communications team, leading to the implementation of optimized website interactions that increased donor engagement.

Marketing Technology Intern

August 2023 – September 2023

Drift - Marketing Technology Company

- Researched and analyzed marketing technology trends through a collaborative webinar with [Banzai](#).
- Authored a blog summarizing webinar insights, refining content creation skills and contributing to digital marketing efforts.

LEADERSHIP EXPERIENCE

Residential Assistant

August 2023 - Present

Office of Residential Education

Gettysburg College, PA

- Foster a supportive living environment for 40+ first-year students by leading monthly community meetings, facilitating roommate agreements, and organizing social events to promote inclusivity.
- Conduct regular one-on-one check-ins with residents, identifying and addressing individual concerns, resulting in improvement in student well-being and engagement.
- Collaborate with pro staff to discuss resident concerns, contributing to timely interventions and enhanced student support.

OTHER EXPERIENCES

PiCar-X Robotics Development using Raspberry Pi

September 2024 - December 2024

Computer Science Department

Gettysburg College, PA

- Engineered PiCar-X navigation functionalities using **Python**, integrating sensor inputs for real-time responsiveness.
- Optimized servo motor calibration, improving true zero offsets and increasing line-following accuracy by 40%.
- Led a small robotics development team, working closely with faculty to pioneer solutions ahead of peer groups.

Digital Art History Timeline Project

January 2024 - May 2024

Personal Project - CS at Gettysburg College

- Designed and developed an interactive digital timeline using **Java** and **JavaFX**, visualizing the evolution of digital art.
- Implemented event-driven architecture, enhancing user engagement and improving navigation efficiency.
- Engineered responsive UI with adaptable layouts across screen sizes, incorporating dynamic pop-up exploration features.

EXTRA CURRICULARS

International Student Ambassador and Campus Tour Guide

September 2022 - Present

Marketing Manager - Waseela (NGO focusing on child sexual abuse)

May 2019 - Present

Member: Association for Computing Machinery (**ACM**), Rewriting the Code (**RTC**), Society of Women Engineers (**SWE**)