

# Jatin Suri

[surijatin@yahoo.com](mailto:surijatin@yahoo.com) • [LinkedIn](#) • [Github](#) • [jatinsuri.com](http://jatinsuri.com) • [\(410\)-302-9751](tel:(410)302-9751)

## Education

**University of Maryland Baltimore County**

B.S. in Computer Science

Baltimore, MD

2021 – 2025

## Relevant Courses

C++, Python, Data Structures, Discrete Structures, Linear Algebra, Calculus, Physics

## Technical Skills

### Languages

C++, C, Python, JavaScript, HTML, CSS

### Tools and Libraries

ReactJS, NextJS, Git, Docker, CAD Modeling, Autodesk Fusion 360 and Inventor, macOS, Linux, Windows

## Projects

### Electron Microscope Application - C++, QT, C#, Swift

- Collaborated with UMBC Biotechnology students to develop a cross platform application written in C++ and QT for viewing electron microscopes.
- Enhanced the efficiency of the application by migrating the image processing backend to the native QT Multimedia class, which is an essential module that provides a rich set of QML types and C++ classes to handle multimedia content.
- Updated the backend to use a modern QT class, allowing current hardware to utilize the application.

### Discord Bot - Python, Interactions.py, Discord.py

- Developed a responsive Discord A.I. bot that generates gifs and predicts outcomes of events based on user input to create a user friendly experience.
- Incorporated modern Python API wrappers (Discordpy and Intercationspy) to create seamless interaction and collaboration between multiple users.
- Utilized Git to manage version control and hosted the API on Oracle Cloud.
- Integrated Tenor API, a real time gif generation program that is used by companies such as Discord and Whatsapp.

### Flash Cards - C++, Makefile

- Constructed an interactive Flashcard program that implements adaptive teaching by leveraging previous patterns to target weaknesses for optimal learning.
- Facilitated efficient insertion and deletion by storing the data in a doubly linked list to allow for seamless traversal through the data

### Personal Website - HTML, CSS, JavaScript, NextJS

- Created a responsive dynamic personal website using JavaScript and NextJS.
- Hosted the website on Netlify using github webhooks.

### CAD models - AutoDesk Fusion 360, AutoDesk Inventor

- Designed an assortment of CAD models that were created and 3D printed.
- Some examples include a Christmas rotating stand adapter, a power outlet cover, and a Mouse trap car.

## Activities

### Sports

- Cricket, Basketball, Karate, Ultimate Frisbee

### Volunteering

- Red Cross (2019 - 2021) - Assisted in blood donations and dispensed refreshments.
- Columbia Association (2019) - Assisted in providing better physical health care to the community.
- UMBC (2016) - Aided in making sandwiches for the homeless in Washington D.C.