

Jatin Suri

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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

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

- Collaborated with UMBC Biotechnology students to develop a cross platform 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.

Clubs and Extracurricular Activities

- Pursued my interest in STEM and was a part of Rocket Club in ARL, a Technical School, where we use our abilities in STEM to build rockets.
- Joined Astronomy Club at UMBC to satisfy my lifelong curiosity of the cosmos.
- Learned and perfected the craft of 3D printing through the use of Autodesk in Makers club.