

# Aneesh Maganti

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## EDUCATION

**New York University**, Tandon School of Engineering, Brooklyn, NY

May 2024

Bachelor of Science, Computer Science

GPA: **3.7**

*Relevant Courses:* Machine Learning, Algorithms, Operating Systems, OOP, Data Structures

## SKILLS

**Languages** C++, Typescript, Python, C#, Java

**Frameworks/Libraries** React, Django, Node.js, Qt, SQL

**Operating Systems** Windows, Unix

## EXPERIENCE

**Monarc**, Dallas, TX, *Software Engineering Intern*

Aug 2021 - Present

- Devised error checks and boot logging to improve Seeker performance and enable remote debugging
- Applied MVVM principles to develop new UI/UX features to enhance the Seeker machine feature-set

**Software Developer (Researcher?) at Corelink High-Speed Research Network**

Sep 2021 - Present

- Helped other teammates with their projects • Researched Corelink's network architecture and RDMA/InfiniBand protocol to identify novel applications in Corelink infrastructure
- Ran memory tests to determine whether using RDMA would enable researchers to dramatically increase their current processes and analysis of data on the Corelink research network - Also wrote powershell downloader for different repositor - Current work on network splitting - Managing three other VIP students

## PROJECTS

**bkRoad**

March 2022

- Participated in the Amazon Lightsail Container Hackathon
- Wrote Next.js application and handled connection to SQL Amazon DynamoDB
- Hosted on Amazon Lightsail
- Won 2nd place in the hackathon

**Interview Automation - HackNYU**

February 2022

- Student/Admin logon page, teams list, make admin/questions, applicant information (name, netid, status)
- Wrote Next.js react pages and linked them to SQL db via Mongoose
- Configuration of NYU SSO logon via Auth0
- Connected to gmail api to send email

**Auto Daily Screener**

Sep 2021 - Present

- Built command line app to automate the NYU Daily Screener via Selenium web automation
- Designed a QT GUI for the application and used PyInstaller to build for Windows

**Concussion Detection Device Project**, Tandon School of Engineering

Sep 2020 - Dec 2020

- Built Arduino-based IoT device to detect concussions for athletes using a pressure sensor
- Developed code to detect pressure levels, change device LED color, and send email to parents/guardians notifying them of potential injury to athlete

**Implemented Shortcut Feature in Dolphin**

October 2020 - Present

- Developed and implemented highly desired 'Add Shortcut to Desktop' feature to the open-source emulator Dolphin via the native Windows API, the Qt library, and C++
- Collaborated with other open-source contributors to refactor code and add it to Dolphin Emulator

## EXTRA-CURRICULAR ACTIVITIES

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- Poly Programming Team
- Society of Asian Scientists and Engineers