

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, Node.js, Qt, SQL
Operating Systems	Windows, Unix

EXPERIENCE

Monarc, Dallas, TX, *Software Engineering Intern*

Aug 2021 - Jan 2022

- 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

Corelink High-Speed Research Network, *Academic Researcher*

Sep 2021 - Present

- Researched the Corelink network infrastructure and implemented a network packet splitter for UDP connections
- Coordinated VIP students and assisting them with the management of their projects
- Researched Corelink's network architecture and RDMA/InfiniBand protocol and ran memory tests to determine the protocol's effectiveness for NYU researchers

PROJECTS

bkRoad - Amazon Lightsail Containers Hackathon

March 2022

- Won 2nd place in the hackathon
- Wrote Next.js application that allowed users to discover books, learn details about them, and loan them.
- Handled connections to SQL Amazon DynamoDB and hosted on Amazon Lightsail

Interview Automation - HackNYU

February 2022

- A Next.js application to assist with interviewing candidates for the NYU Corelink team by providing scheduling, quizzing and management services
- Wrote React pages for the question page, admin creation page, and applicant information
- Handled authentication via Auth0 configuration of NYU SSO logon
- Connected to Gmail API to send emails on confirmation

Auto Daily Screener

Sep 2021

- 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

Oct 2020

- 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

- Poly Programming Team
- Society of Asian Scientists and Engineers