

Neel Khare

Engineering Student with an interest in Computer Science

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Experience

Director Of Outreach | Quant

- In charge of planning events, internship panels, collaborations with other CS clubs, and merchandise.
- In charge of developing the website and frontend infrastructure for Quant from the ground up (**REACT JS**).

Course Assistant | CS 124: Introduction to Computer Science

- Personally helped students understand fundamental Java concepts through virtual office hours and the course discussion forum.
- Recorded lesson and homework walkthroughs on object-oriented programming.
- Contributed to improving the CS124 website and virtual experience by constantly raising creative suggestions.

Participant | HackIllinois

- Built a webapp that allows college students to connect with their Twitter mutuals that share one or more classes with them.
- Worked on the backend and scraped classes from UCLA and UIUC's course explorers (**JS** and **PYTHON**).
- Helped my teammates work with the Twitter API and Firebase connections.

Education

University of Illinois, Urbana-Champaign (UIUC)

URBANA, IL

Intended Major: B.S. IN COMPUTER SCIENCE, GPA: 3.71

- Activities and Societies: Quant, Special Interest Group for Natural Language Learning @ACM, August Productions (President).
- Relevant CS Coursework: Data Structures, Computer Architecture, Discrete Structures, Introduction to CS 2 with C++ (CS 128), Introduction to CS with Java (CS 125), Computing for Engineers, Multivariate and Vector Calculus, Calculus 2.
- Other UIUC Coursework: Intermediate Microeconomic Theory, Electricity and Magnetism, Mechanics, Statics.
- CS 124 Course Assistant.
- Current Major: Mechanical Engineering.

Projects

LinkBot

- Created a Discord bot to generate Zoom and Google Meet invite links with full customization functionality (**PYTHON**).
- Used Discord.py, Zoom's Client API, and JSON Web Tokens for granting my application access to the required contents of a user's profile.
- Plan to add more functionality in the future - saving meetings, fetching transcripts, changing security permissions, etc.

Course Rating App

CS 125 Machine Project

- Created an apk in Android to sort courses offered at UIUC and store the rating for each course (**JAVA**).
- Learned about and used Callbacks and HTTP requests to get course ratings from the database and display them on the app. Wrote extensive test cases and performed various bug fixes and refactoring.
- Worked on both client side (rating bar, course search function) and server side (database, callback) functionality.

Skills

Programming C++, Java, Python, React JS, JavaScript, HTML, BASH

Technologies Docker, Firebase, Git, Github, LaTeX, Adobe Premiere Pro, Adobe Lightroom, Microsoft Excel