

# SWAPNIL KHA

✉ sk7012@nyu.edu 🌐 swapnilkha.github.io 📞 9143199493 📍 New York, NY  
in linkedin.com/in/swapnilkha 🔄 swapnilkha

## EDUCATION

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

May 2021

Bachelor of Science in Computer Science, Minor in Business Studies from NYU Stern School of Business

- Completed Courses: Data Structures and Algorithms, Object Oriented Programming, Computer Architecture, Design and Analysis of Algorithms, Operating Systems

### Harvard Summer School, Cambridge MA

2015 to 2016

- Completed Courses: CSCI s65-g: Intro to Mobile App Development Using Swift and IOS, CSCI 100: Great Ideas In Computer Science With Java

## SKILLS

**PROGRAMMING LANGUAGES:** Python, Java, C++, Groovy, C#/.NET, Swift, Javascript, HTML, CSS, Liquid

**DATABASES:** MySQL, NoSQL, MongoDB

**TOOLS/Frameworks:** GatsbyJS, Grails, xCode/iOS, Node Red, Git, Jekyll, Strapi, NodeJS, ExpressJS

**OPERATING SYSTEMS:** macOS, Linux, Windows

## EXPERIENCE

### Sirvisetti Systems

#### Software Intern

July 2019 to Aug. 2019 · Princeton, NJ

- Implemented an app in Groovy that sends an email to various customers, using an id number as an input, by searching a MySQL database and using SQL commands to check if that id exists for a given date
- Worked on an app using Strapi Content Management System (CMS) and GatsbyJS that adds customer information to Strapi and displays them when a user requests it

### Sirvisetti Systems

#### Software Intern

June 2018 to Aug. 2018 · Princeton, NJ

- Designed and built an assistant adapter based on Google Actions using IBMs Node-Red development environment
- Developed a default response system, using Node-Red flows, for an inquiry about a customers sales commission from a predefined database
- Converted EDI strings which contained customer sales information to JSON format in Node-Red which can then be parsed by the assistant adapter to calculate customer sales commissions

## PERSONAL PROJECTS

### BUGS Open Source Website (Jekyll/Liquid)

July 2019 to Present

- Working on improving NYU BUGS Computer Science Club's website by styling the front end

### Personal Website (Jekyll/Liquid)

July 2019 to Present

- Using Jekyll and BootstrapCSS, currently designing my personal portfolio website

### Car vs Rideshare Comparison Calculator (C#/.NET)

June 2019 to July 2019

- Implemented a program that calculates whether it is more cost efficient to buy a car or commute via rideshare over a 5 year period, using user input such as miles traveled per year, mpg of car, and annual insurance cost

### To-Do List (iOS/Swift)

Jan. 2019 to Feb. 2019

- Created a to-do list application where the user can add, delete, and check off tasks he creates. Included a feature where the user can set the priority of a certain task to 1, 2, or 3. This way the user can see which of his tasks are the least or most important

### Tic Tac Toe (iOS/Swift)

June 2018 to July 2018

- Implemented tic-tac-toe on xCode using a 3x3 board to be played by two users. Designed a simple layout to make the game suitable for all ages

## ACTIVITIES

### NYU Computer Science Club (BUGS) · Member

Sept. 2017 to Present

- Engage students in open source projects and invite guest speakers to discuss current events in computer science

### NYU Class Activities Board · Member

Sept. 2017 to Present

- Assist club leaders in planning study breaks, game nights, and free food events for the Class of 2021