

# SWAPNIL KHA

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## 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

• Relevant Courses: Data Structures and Algorithms, Object-Oriented Programming, Computer Architecture, Design and Analysis of Algorithms, Operating Systems, Databases, Computer Networking

### Harvard University, Cambridge MA

Jun. 2015 to Aug. 2016

Summer Program (Jun - Aug)

• Relevant Courses: Intro to Mobile App Development using Swift and iOS, Great Ideas In Computer Science With Java

## SKILLS

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

**DATABASES:** MySQL, NoSQL, MongoDB

**TOOLS/Frameworks:** GatsbyJS, Grails, Xcode/iOS, Node Red, Git, Strapi, NodeJS, Linux, Agile

## EXPERIENCE

### Sirvisetti Systems

**Software Engineering Intern** · Princeton, NJ

Jun. 2019 to Aug. 2019

• Implemented an automated email-dispatching application using GatsbyJS and Groovy which emails clients at a user-provided date  
• Integrated a MySQL database and Strapi Content Management System (CMS) into the back-end which both contain client information that can be retrieved by the front-end to generate the email body.

**Software Engineering Intern** · Princeton, NJ

Jun. 2018 to Aug. 2018

• Designed and built an automated assistant adapter using Google Actions and IBMs Node-Red development environment  
• Created a response system using Node-Red flows in which a sales rep requests Google Assistant for his monthly commission info  
• Programmed an EDI parser which takes an EDI string containing sales rep info as input and converts it to JSON, which the adapter uses to calculate sales commissions

### Gopeer

**Computer Science/Math Tutor** · New York, NY

Mar. 2019 to Present

• Tutoring middle and high schoolers in Java, Python, Swift, Geometry, Algebra 2, Calculus, and SAT/ACT prep

## PERSONAL PROJECTS

### Finstagram (MySQL/Python/Flask)

Nov. 2019 to Dec. 2019

• Designed an Instagram-like application where a user can post a picture, add friends to groups and search a photo by a tag or a username

### Personal Website (HTML/Jekyll/Liquid)

Jul. 2019 to Aug. 2019

• Designed a website using BootstrapCSS to showcase my background, programming skills and hobbies. Implemented an email form using PHP, as well as HTML links to social media and Github

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

Jun. 2019 to Jul. 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

### Tic Tac Toe (iOS/Swift)

Jun. 2018 to Aug. 2018

• Built Tic-Tac-Toe with Xcode using a 3x3 board to be played by two users. Designed a layout to make the game suitable for all ages, and optimized the layout to be compatible with the iPhone X

## ACTIVITIES

NYU Machine Learning Club · Event coordinator of the executive board

Jan. 2020 to Present

• Advertise events on social media pages and help host workshops on introductory machine learning methods in python

NYU Class Activities Board · Member

Sep. 2017 to Present

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