

# 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 - Aug. 2016

Summer Program

Relevant Courses: Intro to Mobile App Development, Intro to Java

## SKILLS

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

**DATABASES:** MySQL, NoSQL, MongoDB

**TOOLS/Frameworks:** GatsbyJS, Grails, Xcode, Node Red, Strapi, NodeJS

**ADDITIONAL:** Git, Linux, Agile

## EXPERIENCE

### Sirvisetti Systems

**Software Engineering Intern** · Princeton, NJ

Jun. 2019 - 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 which were used to generate the body of the email

**Software Engineering Intern** · Princeton, NJ

Jun. 2018 - Aug. 2018

- Designed and built an automated assistant adapter using Google Actions and IBM's 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 - Present

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

## PERSONAL PROJECTS

### Smyle (Node.js/MongoDB): HackNYU Project

Mar. 2020

- Created Smyle, an ecommerce website which helps people choose sustainable clothing options over fast-fashion
- Reduced carbon footprints by 3.2 kg. and saved 10,000 liters of water for every sustainable outfit bundle customers purchased
- Implemented payment processing using Stripe, used MongoDB to store outfit bundles, and utilized BootstrapCSS for the front end

### Finstagram (MySQL/Python/Flask)

Nov. 2019 - 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 username

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

Jul. 2019 - Aug. 2019

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

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

Jun. 2019 - Jul. 2019

- Implemented a program that determines the cost-efficiency of buying a car vs. commuting via rideshare using user-defined variables such as miles traveled per year, mpg, and annual insurance cost

## ACTIVITIES

NYU Machine Learning Club · Event coordinator of the executive board

Jan. 2020 - 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 - Present

- Assist club leaders in planning study breaks, game nights, and free food events