

SWAPNIL KHA

✉ sk7012@nyu.com 🌐 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

- 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 (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 - 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 - 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 - Present

- Tutoring middle and high schoolers in Java, Python, Swift, Geometry, Algebra 2, Calculus, 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.
- Reduce carbon footprints by 3.2kg and save 10,000 liters of water for every sustainable outfit bundle customers purchase
- 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 a 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, as well as HTML links to social media and Github

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

Jun. 2019 - 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

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 for the Class of 2021