

SWAPNIL KHA

New York, NY • 914-319-9493 • sk7012@nyu.edu • linkedin.com/in/swapnilkha • github.com/swapnilkha

EDUCATION

New York University

B.S in Computer Science from Tandon School of Engineering

Activities: Machine Learning Club (Event Coordinator), Class Activities Board (Member)

Brooklyn, NY

May 2021

SKILLS

Languages: Proficient: Python, Java, C++, Intermediate: JavaScript, HTML, CSS

Databases: MySQL, MongoDB | **Tools & Frameworks:** Node.js, Gatsby.js | **Additional:** Git, Linux, Agile (Scrum)

WORK EXPERIENCE

Whatsbusy

Full Stack Engineer Intern

Houston, TX

Jun. 2020-

Sirvisetti Systems

Software Engineer Intern

Princeton, NJ

Jun. 2019-Aug. 2019

- Developed an automated email-dispatching app in Groovy which emails clients at a user-provided date using the SMTP protocol
- Designed and implemented a MySQL database which connects to the app and generates the body of the email
- Built a GatsbyJS application which connects to Strapi Content Manager and allows a user to view and edit customer info.
- Created and tested a custom API which interacts with Strapi to add, delete and modify customer data

Software Engineer Intern

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.
- Using JavaScript, programmed flow input and outputs which accurately calculate sales commissions
- Coded an EDI parser which converts sales rep info. in EDI format to JSON, which the adapter uses to calculate sales commissions

Gopeer

Computer Science & Math Tutor

May 2019-

- Tutoring students in Java, Python, Geometry, Algebra 2, and SAT/ACT prep

PERSONAL PROJECTS

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

Mar. 2020

- Built Smyle, an e-commerce website which helps people choose sustainable clothing options over fast fashion
- Aimed to **reduce carbon footprints by 3.2 kg. and save 10,000 liters of water** for every sustainable outfit bundle purchased
- Programmed payment processing using Stripe, used MongoDB to store outfit bundles, and styled the front-end using BootstrapCSS

Finstagram (MySQL/Python/Flask)

Nov. 2019-Dec. 2019

- Designed an Instagram-like app where a user can post a picture, add friends to groups and search a photo by a tag or username
- Planned out and implemented a MySQL database which stores user info, and developed 10 custom test cases which all passed

Personal Website (HTML/Jekyll/Liquid)

Jul. 2019-Aug. 2019

- Built a website using BootstrapCSS to showcase my background, programming skills and hobbies
- Coded 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

- Calculates the cost-efficiency of owning a car vs. commuting via rideshare
- Utilized user-defined variables such as miles traveled per year, MPG, and annual insurance cost
- Achieved **O(n) runtime and 90% accuracy** in determining difference in costs