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

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, Node.js
ADDITIONAL: Git, Linux, Agile

EXPERIENCE

Sirvisetti Systems
Software Engineer Intern · Princeton, NJ   June 2019 - August 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 Manager which were used to generate the body of the email

Software Engineer Intern · Princeton, NJ   June 2018 - August 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   March 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   March 2020
• Created Smyle, an e-commerce 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 used BootstrapCSS for the front end

Finstagram (MySQL/Python/Flask)   November 2019 - December 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)   July 2019 - August 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)   June 2019 - July 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

To Do List (Xcode/Swift)   June 2018 - August 2018
• Created a to do list app where a user can order reminders by priority and mark them as complete

Tic Tac Toe (Xcode/Swift)   March 2018 - April 2018
• Designed and implemented an algorithm for tic-tac-toe on the IOS platform using Swift, and optimized the layout to be compatible on the iPhone X

ACTIVITIES

NYU Machine Learning Club · Event coordinator of the executive board   January 2020 - Present
• Advertise events on social media pages and help host workshops on introductory machine learning methods in Python

NYU Class Activities Board · Member   September 2017 - Present
• Assist club leaders in planning study breaks, game nights, and free food events