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