Karan Yadav

www.karanyadav.com | www.github.com/ksyadav01
ksyadav01@outlook.com | (518) 334-5038 | US Citizen

EDUCATION

STONY BROOK UNIVERSITY | B.S. in Computer Science | GPA: 3.45 Stony Brook, NY **Aug 2019 – May 2023**
Relevant Coursework: Software Development, Data Structures, Computer Networks, Scripting Languages, Programming Abstractions, Systems Fundamentals 1, Discrete Math, Probability and Statistics, Calculus 2, Linear Algebra

EXPERIENCE

IVY SCOPE | Lead Full-Stack Developer NY New York City, NY **Jul 2021 – Present**
- Responsible for updating and managing the backend Mongo DB database, including the purging and replacement of old user data
- Refactoring the database data model to make data more accessible for other developers.
- Using MERN stack with the Materials UI framework to revamp existing webpages and add new functionality, making the website both more attractive and increasing user retention
- Translating wireframes and low/high fidelity mockups into JavaScript and HTML5/CSS3 code
- Spearheading code cleanup and maintaining good workflow on GitHub between team members, along with managing work allocation

GCOM SOFTWARE | Software Engineering Intern Albany, NY **Feb 2019 - Apr 2019**
- Developed software in Java that pulled/parsed data, and notified employees via email when it was time for a prescheduled meeting
- Researched and gained familiarity with data structures and databases and learned how to implement them
- Attended business meetings with clients

CSE 220 (SYSTEM FUNDAMENTALS 1) | Instructional Aide Stony Brook, NY **Feb 2021 – May 2021**
- Led a weekly discussion section of ~30 students and reviewed lecture material, taught new material, and demonstrated various ways to solve practice problems, along with hosting weekly office hours
- Assisted students with programming and debugging in MIPS Assembly using the MARS compiler
- Managed posts on a school discussion board and assisted students with problems on other platforms such as Discord and Slack

PROJECTS

PING | JavaScript · HTML · CSS | Firebase · React Native · Expo · GitHub
An event creating app that allows college students to create and join events made by fellow students. Utilizing Google Maps API, users can create location-tagged events in seconds that anyone with the app can then access through our map. Safety is a top concern, and every account must be authenticated with a school email to ensure all event creators and joiners are students attending the same university.

WORLD DATA MAPPER | JavaScript · HTML · CSS | Mongo DB · GraphQL · React · MERN · GitHub
A map creating website where users create their own custom maps and provide attributes for provided locations, such as subregions/states, capitals, leaders, and flags. Ranging from creating a map of the real world with accurate data or creating a fantasy world with your own custom information, there are numerous possibilities with what one can do.

BL MEMORIAL GURUKUL SCHOOL WEBSITE | JavaScript · HTML · CSS
An independently developed website for use by Banwari Lal Memorial Gurukul. In the process of creating the website, I liaised with school administration to get a list of requirements to abide to while developing the website. The various features on the website, ranging from diverse picture galleries to instant contact forms allows the school to target more potential students than they could have ever before.

KARAN.GG | Python | GitHub
A stat tracker and analyzer for the popular videogame League of Legends. Developed in Python, it uses Riot's API in combination with separate calculations such as win rate, pick rate, etc. to provide the user descriptive data.

PERSONAL WEBSITE | Python · HTML · CSS | Heroku · Flask · GitHub

SKILLS

LANGUAGES | Java, Python, JavaScript, C++, Bash, PowerShell, HTML, CSS, Assembly, OCaml
TECHNOLOGIES | Git/GitHub, MERN Stack, React, React Native, Expo, Flask, Heroku, Mongo DB, Firebase, GraphQL

AWARDS

I/ITSEC MILITARY ENGINEERING AND SIMULATION CONFERENCE | 1st Place Nationally | 2018
Developed an auditory and visual alert system for traffic light detection in Python utilizing TensorFlow and competed against high school teams across the nation.

NEW YORK HIGH SCHOOL BUSINESS PLAN COMPETITION | Best Business Plan | 2018
Devised a comprehensive business plan for the same product and competed against over one hundred teams located around the state.