Tanmay Siwach

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EXPERIENCE

Data Engineering Intern   May 2021 - Present
Katch Media | San Jose, CA

- Automated the process of getting data from multiple websites using Python and Selenium and created JSON files of the acquired data.
- Minimized the run time while maximizing the efficiency of data acquisition from Google's Firebase Database and PostgreSQL in over 40,000 queries.
- Developed an algorithm to suggest relevant hashtags related to any hashtag which increases SEO of a profile.

Web Developer   May 2019 – August 2019
Next57 Coworking | India

- Developed and added more pages to the website in 5 days for the new physical location of the company using HTML5, CSS3 and Vanilla JavaScript.
- Created over 20 graphics and informatics for events that were organized at the coworking space using Adobe Photoshop and Illustrator.

EXPERIENCE

MixIT Android Application -Personal Project   February 2020 – May 2020
- Created an android application using XML as the front-end, JAVA as the back end, and MySQL for the database.
- Designed an algorithm that suggests recipes based on the ingredients that the user has in their fridge.
- Used Picasso API to process images on the application for the recipes.

New music Recommend: Anti-Spotify - Personal Project   March 2021
- Programmed a web application that recommends music completely different from what the user listens to using their Spotify Account.
- Fetched data from Spotify using Spotify's Web Rest API and developed the algorithm using NodeJS Express Framework and CORS framework.
- Designed the front end for the web application using ReactJS and HTML5.

Self-Driving Car Simulation - Senior Major Project   February 2021 – Present
- Created a self-driving car model with roads, trees, and other objects using Unity.
- Created the algorithm for the self-driving car using Python and TensorFlow.
- Created the Scripts for Machine Learning using C#.

Web budgeting application - Personal Project   August 2020
- Programmed a budgeting application with login and register capabilities using Express Framework in NodeJS and MongoDB Community and later Atlas.
- Designed the website using HTML, CSS – Jade Template, and Bootstrap.
- Implemented the authentication using PassportJS and password encryption using BCrypt and mail function using Node Mailer.

More Projects – Personal Portfolio (NextJS), Social Media Tattoo Platform (MERN Under Dev.), Web Crawlers (Python)

EDUCATION

San Jose State University | Bachelor of Science in Software Engineering   Expected Dec. 2021
- GPA: 3.4/4.0
- *Treasurer*, Theta Chi Fraternity; *Historian,* Theta Chi Fraternity; Philanthropy Chair*,* Theta Chi Fraternity

SKILLS

Java, JavaScript, Python, NodeJS, ReactJS, ExpressJS, NextJS, HTML, CSS, PHP, Bootstrap, MySQL, MongoDB, Illustrator, Photoshop, Selenium, PostgreSQL, Google Cloud Platform, Firebase, Amazon AWS, Adobe XD, MatplotLib.