

Tanmay Siwach

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EXPERIENCE

Web Developer

August 2021 – Present

JPT Group Inc. | San Jose

- Developed a static website with dynamic data imports using Webflow's Collections and Google Maps API.
- Working with ReactJS, Node, and GCP to build a dashboard portal for clients of one of the divisions.
- Learning Three.js to embed 3d models into the web app.

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 80,000 queries.
- Developed an algorithm to suggest relevant hashtags related to any particular hashtag which increases the 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 and created over 20 graphics for the new webpages using Photoshop and XD.

PROJECTS

MixIT Android Application -Personal Project

February 2020 – May 2020

- Created an android application using XML, JAVA as the back end, MySQL for the database, and Picasso API.
- Designed an algorithm that suggests recipes based on the ingredients that the user has in their fridge in under 1 sec.

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 using Node's Express framework and CORS middleware.
- Fetched data from Spotify using Spotify's Web Rest API and developed the algorithm using NodeJS Express Framework and CORS framework.

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 AND SKILLS

San Jose State University | Bachelor of Science in Software Engineering

Dec. 2021

- *Treasurer*, Theta Chi Fraternity; *Historian*, Theta Chi Fraternity; *Philanthropy Chair*, Theta Chi Fraternity
- 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.