

# ANEET SAHOTA

## SOFTWARE ENGINEER

With a B.S. in Microbiology-Biomedical Laboratory Science and extensive experience in healthcare. I bring a strong interpersonal, scientific and analytical foundation to provide a keen innovative perspective in software development. Alongside a fluent understanding of JavaScript, Python and MySQL I am currently expanding my skills with different libraries for CNN, Deep Learning and Data Propagation.

## TECHNICAL PROJECTS

### The Greenthumb App

- Personal greenhouse plant application to organize, track and monitor plants.
- *Filtering, pagination, and search* functionality for plant monitoring from TREFLE API using mongoose, **Node.js**, **MongoDB**, and **WebSockets**
- **JWT token authentication** for registration and user login
- **React.js** for creating *components, routing and controller logic* for back end interaction

### Yoga Sutras and Dynamic Exercise App

- Aimed to create a App that incorporates Yoga, Strength Training, Cardio, Calisthenics in a systematic method that shocks the body in a random, algorithmic way that doesn't repeat itself linearly.
- Shuffling Algorithm – Uses the Fisher-Yates algorithm to shuffle workout types to keep routines engaging
- *Analyzing build logs w/ Vercel for deployment*
- *Deployment on Vercel*, integrations with Github
- custom.json **formatted API data** with various different yoga sutras and integrated pictures seeded into **mongoDB** using *mongo Atlas using vector databases*.
- Manage **global state with redux.js**, particularly for setting and tracking the weekly workout genre

## WORK HISTORY

### **Founding Software Engineer**

*LeSavantDon / San Francisco, CA / January 2025 - Current*

Designing and developing my personal brand/ interface for leisure. Inspired to have a platform for creatives in fashion design, textile design, automobile design, furniture design, and architecture catalogs, with a focus on minimalistic, efficient, and immersive aesthetics.

#### Front-End Development

- Integrating interactive 3D visualization features using **Three.js** for showcasing product models and architectural blueprints.
- Ensuring responsive, accessible design standards across a variety of devices and browsers.
- Implementing complex filtering, sorting, and search functionalities to enhance user experience in browsing and discovering design assets.
- Developing custom branding elements (e.g., logos, color schemes, imagery) and ensuring a cohesive visual identity across the platform.

#### Back-End Development

- Architecting and maintaining scalable **Node.js/Express.js** APIs to handle dynamic queries, user authentication, and data management.
- Designing optimized **MongoDB** database schemas to support products, user profiles, and design assets.
- Implementing secure file upload systems for custom assets like logos, images, and 3D models, ensuring optimization for web performance.
- Handling integration of external services such as **payment gateways** for transactions and **cloud storage** for large design files.

### **CAD Drafter**

*Private Contractors / Richmond, CA / January 2022 - November 2023*


- Drafted structural blueprints for architects, engineers, and contractors across the Bay Area
- Created detailed blueprints for residential and commercial projects.
- Used AutoCAD & SketchUp for floor plans and schematics

### **Telemetry Tech And EMT**

*Alameda Health System / San Leandro, CA / August 2018 - January 2021*

- Part of the COVID-19 Hazard First Response Team
- Performed life saving intervention for patients in Alameda County
- Analyze all telemetry data and diagnose medical arrhythmias for MD and RN

## CONTACT

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 [Bold Profile](#)

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 <https://github.com/lesavantdon>

 <https://tech-portfolio-gpys23hja-lesavantdons-projects.vercel.app/>

## SKILLS

### Front-End

- JavaScript
- React.js/Redux.js
- Three.js + Chart.js + Plotly
- Dashboard Creation
- Backbone
- HTML/CSS
- Bootstrap.js
- Chai.js UI
- Python
- PyCharm
- Flask
- Django
- TensorFlow.js & .py
- PyTorch
- Typescript

### Backend

- Node.js
- Express
- Mongo/Mongoose
- MySQL

### Tools/Methodologies

- Atlas + Compass
- Kafka, Pecan + Knowi
- Postman
- Scrum, Crud and Agile Methodology
- Pair programming
- Test Driven Development
- Jest/Mocha/Chai/ Jasmine
- JWT Authentication
- Mac/Windows Terminal Testing
- Swagger Documentation
- AWS, Azure Cloud Services & Computing

## EDUCATION

### **Certificate**

Full Stack Web Development  
Parsity Software Engineering School

### **Bachelor of Science**

Microbiology/ Biomedical Laboratory Science  
California State University, East Bay

## ACCOMPLISHMENTS

- Academic Excellence @ D.V.C. Organic and General Chemistry Classes
- Dean's List LMC