Sukhpal Singh

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EDUCATION

University of California, Davis   **June 2027**
B.S. Computer Science, Minor in Tech Management
- **GPA: 3.5/4.0** (University Honors Program)
- Relevant coursework: Data Structures and Algorithms, Object-Oriented Programming, Assembly, UNIX, and more

EXPERIENCE

Freelance Frontend Developer   **December 2024 - Present**
Self Employed   *Fresno, CA*
- Built websites for local businesses around Fresno in order to improve their customer service and digital marketing by attracting up to **40%** more new clients
- Leveraged **CSS** and **HTML** to implement clients' needs and hosted domains through **NameCheap**

PROJECTS

NoteCycle | *TypeScript, Javascript, CSS,SQL*   **February 2025**
- Single-handedly developed an **online marketplace** for UC Davis students to **upload** their old **lecture notes** for money and to view other peer's notes
- Integrated **SupaBase** for data management with **SQL** in a **full-stack Next.js** application
- Introduced an **upvote/downvote** system to maximize study effectiveness for students

Employee Management System| *MySQL, Java, HTML, ThymeLeaf, SpringBoot, IntelliJ IDEA*   **November 2024**
- Devised a **Full Stack CRUD** (Create, Read, Update, Delete) Management system for companies to administer employees
- Leveraged **Thymeleaf** as the templating engine for responsive server-side web page rendering
- Utilized a Dockerized **MySQL** database to store company data with ThymeLeaf acting as templating engine
- Implemented Spring Data JPA for database and management operations
- Built **RESTful API**s with **Spring Boot** to enable secure, modular, and extensible integration with external services and applications.

Breast Cancer Predictive Model | *Flask, Python, HTML, CSS, SciKit Learn*   **December 2024**
- Implemented a web-based tool to predict whether an individual is at risk for breast cancer
- Tested for breast cancer prediction using **machine learning** models including neural networks, K-nearest neighbors, random foresting, and logistic regression, and decided on **support vector machines** (SVM) with a **98.7%** accuracy rate
- Utilized **Pandas** to preprocess and clean dataset, and fine-tuned model proportions for optimal accuracy

TECHNICAL SKILLS & CERTIFICATIONS

Citi ICG Technology Software Development on Forage   **December 2024**
Virtual Internship
- Leveraged Java to build an **internal tool visualizing stock market risk** in real time with Alpha Vantage API
- Researched potential machine learning systems to **assess credit risk** and provided recommendations for next steps and used Unified Modeling Language (UML) to create a model of a loan management system

Languages: Java, Python, C/C++, HTML, CSS, JavaScript, SQL
Frameworks: Flask, SpringBoot, React, Tkinter
Developer Tools: Git, Docker, VS Code, ThymeLeaf, IntelliJ IDEA, Gradle, Kaggle