

# Amarjot Singh Sandhu

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## EDUCATION

### San Diego State University

January 2023 - May 2027

Bachelor of Science in Computer Engineering

GPA: 3.5

*Relevant Coursework: Computer Programming, Digital Systems, Discrete Mathematics, Linear Algebra, Calculus series*

### Westview High School

July 2018 - June 2022

High School Diploma

GPA: 3.9

*Awards: Honor Roll GPA 3.5+*

## Skills

### Technical:

- API Integration: OpenAI, Google Patents
- Problem Solving: Designed efficient solutions for patent research and summarization.

### Programming Languages:

- Python
- Java
- C

## Work Experience

### Software Developer

June 2023 - Sept. 2023

#### Hutey.ai

San Diego, CA

- Developed a Python program to streamline patent research for legal professionals.
- Implemented integration with Google Patents API to streamline the process of searching patents by 200%.
- Utilized OpenAI API to generate concise summaries of patent descriptions, abstracts, and claims.
- Gained agile methodology experience, working in two-week sprints with daily stand-up meetings to ensure both individual and group accountability.
- Enhanced efficiency for lawyers by reducing the time required to sift through large volumes of patent documents.

### Cashier and Customer Service Representative

June 2023 - August 2023

#### Liberty Retail

Oceanside, CA

- Operated as the primary cashier, handled an average of 250 transactions per day.
- Provided exceptional customer service by assisting customers with inquiries, processing orders, and addressing concerns promptly and courteously.
- Maintained cleanliness and organization of the stall, including restocking inventory and managing cash register.

## PROJECTS

### Personal Portfolio Website

[GitHub-Link](#) | Nov. 2023

- Developed a dynamic personal portfolio website using HTML, CSS, and JavaScript.
- Utilized CSS for styling and layout, creating an aesthetically pleasing and user-friendly interface.
- Showcased projects, skills, and experiences effectively, enhancing visibility and engagement.

### Discrete-Time Finite Impulse Response (FIR) Filter

[GitHub-Link](#) | April 2023

- Implemented a discrete-time moving average filter, which is a simple discrete-time finite impulse response (FIR) filter, an important filter used in signal processing.
- Processed "signal.dat" data to calculate filtered output signals ( $N = 10$  and  $N = 100$ ).
- Utilized Google Sheets for data visualization.
- Gained practical experience in digital signal processing and data analysis.

## Professional Certificates

### Introduction to HTML - SoloLearn

[GitHub-Link](#)

- Mastered foundational HTML principles including tags, elements, and structures, fostering a solid understanding of web development fundamentals.

### Introduction to CSS - SoloLearn

- In Progress