

# Kush Patel

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## Education

### California State University, Fullerton

Fullerton, CA

B.S in Computer Science

Expected Graduation: December 2025

**Relevant Coursework:** Data Structures, Algorithm Engineering, Software Engineering, Cryptography, Cybersecurity, Operating Systems, Web Front End Engineering, File Structures and Databases

### Skills and Certifications

**Programming Languages:** Python, C++, Java, C, C#, JavaScript, x86-64 Assembly

**Frameworks/Web Development:** HTML, CSS

**Tools/Others:** Git, GitHub, Visual Studio, Unity, Visual Studio Code, Linux, Windows, Bash

## Work Experience

### Student Researcher

June 2023 -July 2023

*CIC PCUBED | Fullerton, CA*

- Revised knowledge of C++, STL, container classes vector, set, multiset, computing the min or max, computing the mean and variance, Greedy method, parallel arrays, and recursive functions
- Found a set of stock values, which were American Airlines and Delta Airlines from Yahoo Finance and applied pairs trading strategies over the collected data, and presented its stats with three other people

## Projects

### Weather Extension

| HTML, CSS, and JavaScript

February 2024

[https://github.com/Fullyhacks2024/Fullyhacks\\_Project.git](https://github.com/Fullyhacks2024/Fullyhacks_Project.git)

- This project is a weather extension for Fullyhacks 2024, designed to provide a real-time weather update. It's built using HTML, CSS, and JavaScript and leverages the power of WeatherAPI to fetch the latest weather data.
- Worked on it with a group of 3 other people, wrote the starting HTML and CSS, and debugged the JavaScript

### Secure File Sharing System | Python

May 2024

<https://github.com/kushpatelj86/CPSC-352-Final-Project>

- As part of a team of 5, I developed and launched a secure file sharing system, applied my knowledge of Python, to create a system that enables peer to peer file sharing and a server accepts multiple clients, the server posts the info of the file after it is decrypted
- It hashes and encrypts the file before being sent, which provides confidentiality and a digital signature, it uses an RSA algorithm while sending and receiving the files

### FitFix

| HTML, CSS, Python, and JavaScript

May 2024

<https://github.com/kushpatelj86/CPSC-362-Group-Project-Workout-Website-.git>

- As part of a team of 6, I developed and launched FitFix, a web-based fitness platform, contributed to the HTML, CSS, and JavaScript expertise and part to generate a BMI and all other styling
- Applied my HTML, CSS, and JavaScript skills to the webpages, looks of a website, which included a menu page, bmi calculator, workout generator, and diet plan and debugged the JavaScript and Python(Backend)

