

Kush Patel

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EDUCATION

California State University, Fullerton

Fullerton, CA

Bachelor of Science in Computer Science

Aug. 2022 – December 2025

PROJECTS

University Database | *HTML, CSS, PHP, MySQL, SQL*

October 2024 – December 2024

[Link to project](#)

- This project is a university database management system which was written in SQL, PHP, HTML, and CSS which allowed you to fetch values of a database based on the values given in the front end
- Worked on it with a group of 2 other people, wrote the Database in SQL, wrote the PHP to fetch from database to frontend.
- Added some CSS styling to the HTML pages to make it look beautiful
- Use the MySQL database to store our values

Secure File Sharing System | *Python*

February 2024 – May 2024

[Link to 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
- The services the project provides are encryption, hashing, confidentiality, and digital signature in which before sending, the client encrypts the file, the other client who is receiving the encrypted message decrypts the message, which in turn provides confidentiality

FitFix | *HTML, CSS, Python, Flask, SQLite, JavaScript*

February 2024 – May 2024

[Link to project](#)

- 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 web pages, looks of a website, which included a menu page, bmi calculator, workout generator, and diet plan and debugged the JavaScript and Python which was the Backend
- We used SQLITE to create our database to store all of our values

Weather Extension | *HTML, CSS, JavaScript, JSON*

February 2024

[Link to project](#)

- It was a hackathon project in which I participated was FullyHacks 2024, I worked on it with 3 other members I wrote the starting HTML and CSS
- I learned how to create an extension using JSON
- I used JavaScript to fetch the current weather and city from an API

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, C, C, JavaScript, x86-64 Assembly, Bash, Rust, SQL

Frameworks/Web Development: HTML, CSS, Flask, PHP, React, Node.js, JSON, API

Databases: MySQL, SQLite

Tools: Git, GitHub, Unity, Visual Studio Code

Operating Systems: Linux, Windows, Bash, Mac, Ubuntu, VMWare, Virtual Box