

Education

University of California, Riverside

B.S. Computer Science

Riverside, CA

2024

Relevant Coursework: Data Structures & Algorithms. Discrete Mathematics. Database Management Systems. Computer Security. Project in Comp Sci: Database Systems. Principles of Web Dev. Intro to AI. Intro to ML and Data Mining. Embedded Systems.

Certifications

Moreno Valley College

CIS-18A Java Programming: Objects

Moreno Valley, CA

2021

Projects

Flight Booking System

- Developed a secure system for companies to store user login credentials, manage itineraries, and handle flight booking data efficiently.
- Enhanced user experience by enabling seamless itinerary management and providing convenient tools for storing, filtering, and updating flight booking data.

Book & Movie Collectors Website

- Developed a user-friendly website for collectors to catalog their book and movie collections, track owned items, identify missing pieces, and mark items as available for sale or trade, fostering user interaction and exchanges within the community.
- Integrated social networking features that allow users to share reviews, ratings, and recent reads/views on their profiles, enhancing the community experience similar to platforms like MyAnimeList.

UCR Chatroom

- Developed a chat system using MongoDB to securely store user login credentials and efficiently manage chat data, using real-time communication and authentication processes within the application.
- Integrated Google Login to provide users with a seamless and secure alternative login method, enhancing the overall user experience.

Project in Computer Science: Database Systems

- Preprocessed 22 million records of police crimes across five major cities (LA, Chicago, NYC, Austin, Philly) using Python scripts in PySpark, and stored the data in MySQL for efficient management.
- Leveraged Node.js to retrieve and streamline the integration of large-scale datasets from MySQL, ensuring smooth data delivery and support for front-end development.

Skills

Language: Fluent in English & Spanish

Programming Languages: C/C++, Java, Python, SQL, LC-3, JavaScript

Tools & Technologies: Google Test, MySQL, Pytest, Pyspark, Hadoop, Node.js, React, Git, Github, HTML, CSS