

Anh Vu

Bakersfield, CA

(747) 258-8509 - tuananhvutran132@gmail.com

EDUCATION

California State University Bakersfield in Bakersfield, CA

Bachelor of Science, Computer Science August 2020– December 2024

Completed Coursework: Programming Fundamentals, Discrete Structures, Computer Architecture I: Assembly Language Programming, Algorithm Analysis, Theory of Computation, Software Engineering, Database Systems, Programming Languages, Operating Systems, Computer Networks

SKILLS

Programming Languages: C/C++, JavaScript, Python, HTML, CSS

Technologies: React, Express.js/Node.js, MariaDB, SQL, MongoDB, Pandas

Developer Tools: Linux, Visual Studio Code, Git

PROJECTS

Paris Nails Beauty – Business Website (Individual work) - August 2024 – September 2024

Languages and Tools Used: MERN Stack

- Implemented a streamlined booking system with integrated email verification, resulting in the successful increment of over 2% reservations monthly and enhancing overall user satisfaction by ensuring secure transactions.
- Operated a fully responsive business website using React.js and providing users with satisfied experience across devices of various sizes.
- Organized a comprehensive backend system using Express.JS, Node.JS, connected with MongoDB and achieved 99.9% uptime over 100+ consecutive days.

Blackjack – Class Project (Individual work) - February 2023 – May 2023

Languages and Tools Used: MERN Stack, HTML, CSS

- Created and implemented a visually appealing Blackjack web game from scratch, using HTML/CSS/JavaScript for the game to provide users with an engaging gaming experience.
- Designed game logic to manage player interactions, card dealing, scoring methods, and win/loss circumstances, resulting in better user experience and retention rates.
- Developed a secure login user interface with advanced sign-in/sign-up features, integrating hashed password functionality for enhanced security; established seamless connection to MongoDB Atlas, enabling real-time data retrieval and storage.

Data Analyst – Class Project (Team of 4) - November 2022 – December 2022

Languages and Tools Used: Python, Pandas

- Engaged in collaborative efforts with team members to conceptualize, design, and implement a reliable solution for processing CSV files of over 1,000,000 rows, using Pandas for data manipulation, which resulted in a streamlined and scalable solution to meet diverse user needs.
- Cooperated with a team of 4 to identify critical bugs and errors affecting software stability, figuring out two possible issues and implementing appropriate error-handling mechanisms.
- Conducted comprehensive testing and debugging processes to refine the program's functionality and ensure that users can modify data properly, which saves more than 90% of users' time to go over each column.

Restaurant Database – Class Project (Team of 2) - August 2022 –December 2022

Languages and Tools Used: SQL, MariaDB

- Led the development of a comprehensive DBMS, created an ER diagram and directed the creation of a reliable relational model, resulted in the successful development of the entire database.
- Collaborated as a team of 2 to design and implement all the SQL query structures required for the database functionality and performance.
- Instructed a team member to establish and implement a strong normalization strategy, leading to more simplified data organization, reduced redundancy, and increased database efficiency.