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EDUCATION

University of Houston Downtown

B.S in Computer Science

Houston, TX

2017-2022

- **Coursework:** Data Structures & Algorithms, Software Engineering, Natural Language Processing, Object-Oriented Programming, Database Systems, Operating Systems, Internet of Things, Artificial Intelligence

TECHNICAL SKILLS

Languages: Python • C++ • C# • Java • SQL/NoSQL • Dart • Kotlin • HTML • CSS • JavaScript

Frameworks: Django • Flask • Pandas • ASP.NET/MVC • Flutter • Bootstrap 5 • Express.js • FastAPI • PowerBI • Unity

Developer Tools: Git • GitLab • Azure • Docker • VS Code • VS

EXPERIENCE

Esync Technologies

Remote

Software Engineer Intern

Aug 2023 - Current

- Independently developed a Full-Stack Flutter mobile app addressing Unemployment and Job Market Trends.
- Integrated NewsAPI, enhancing data accuracy by **20%**, leading to a more reliable user experience.
- Designed and implemented the Front-end, achieving **40%** increase in user engagement.
- Managed Back-end services for efficient data handling, reducing app crashes by **10%**.
- Successfully oversaw the end-to-end process of app submission and launch on the Google Play Store.

PERSONAL PROJECTS

Django E-Commerce Website - Demo

2023

- Independently designed and developed an e-commerce website using Python, Django, and SQLite, adhering to the MVC pattern.
- Implemented an advanced search feature, enabling users to quickly find products based on keywords or specifications.
- Developed and implemented custom HTML templates, crafting a seamless and user-friendly interface that not only reflects a keen understanding of design principles but also demonstrates proficiency in full-stack web development.
- Conducted thorough testing and debugging, achieving a **95%** reduction in post-launch issues and ensuring a stable and reliable user experience.

Blog Web App - Demo

2023

- Conceptualized, designed, and developed a dynamic blog application using MongoDB, Express, React, and Node.js.
- Enhanced performance by optimizing the storage and retrieval of content, including blog posts, comments, and user profiles, through a structured MongoDB database.
- Engineered a robust password hashing mechanism using industry-standard cryptographic algorithms, such as bcrypt, ensuring a strong defense against unauthorized access and data breaches.
- Constructed user authentication and authorization systems to ensure secure access and management of blog content, enhancing overall website security and user experience.

School Web Portal - Demo

2022

- Collaborated with a team of 3 to replicate the school's website portal using C++ and Qt software, following the Software Development Life Cycle process.
- Executed and created admin branch with features for user authentication and account creation. Handled admin management of student/class addition, deletion, ensuring secure and user-friendly accessibility when navigating the portal.
- Achieved a **20%** increase in user satisfaction by delivering a user-friendly interface

Restaurant Based RDBMS - Demo

2021

- Co-developed a restaurant-based RDBMS with MySQL for efficient management of menu items, customers, employees, and loyalty program.
- Created the database, designed database queries, wrote SQL scripts, and tested the system, ensuring that the database was fully functional and met all of the project guidelines.
- Applied data validation checks, reducing data entry errors by **90%** and ensuring accurate customer information and order history.