

Rijan Kafle

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EDUCATION

Bachelor of Arts in Computer Science

Augustana College · Rock Island, IL · 2024

SKILLS

Java | MySQL | REST API | C++ | Python | Dart | React.js | Flutter | PostgreSQL | Firebase | PowerShell

EXPERIENCE

IT Intern

Group O - Microsoft Azure, Powershell

May 2024 - August 2024, Milan, IL

- Supported configuring 3 websites on Azure App Services, ensuring seamless functionality and integration with other systems.
- Managed and troubleshoot backend pools for 6 application gateways across production and non-production environments, reducing downtime by 20% and improving application response times by 15%, ensuring seamless operation for critical business functions.
- Contributed to migrating websites from Azure App Service Environments (ASE) to standalone web apps, optimizing resource usage and reducing operational costs by 30%.
- Authored and implemented 5+ PowerShell scripts to automate asset management processes, cutting manual effort by 30% and reducing errors, accelerating audits, and enhancing data accuracy.

Front End Developer

Augustana College EDGE Center - React.js

January 2024 - May 2024, Rock Island, IL

- Member within the Augustana Web Guild, contributing to developing websites for community organizations and assisting in the group's mission to educate and provide web design services for nonprofits and small businesses.
- Led the development and deployment of 3 fully responsive websites using HTML, CSS, and JavaScript, ensuring cross-browser compatibility and optimal performance across mobile and desktop devices.
- Built interactive user interfaces with React.js, including dynamic features such as real-time event calendars, contact forms with validation, and interactive donation portals.
- Integrated Git for version control to streamline collaboration and code management, fostering a smooth and efficient development process.

PROJECTS

MarketSim

Flutter, Firebase, REST API · github.com/AugustanaCSC490Spring2024/Quetzal

- Designed and developed "MarketSim," an educational mobile application that combines a stock market simulator with gamified learning features to teach users about investing and trading.
- Developed a cross-platform mobile application using Flutter and Dart, implementing a stock trading simulator and educational game features.
- Integrated Firebase Authentication and Firestore to manage user accounts and securely store real-time portfolio data.
- Utilized the Polygon.io API to fetch and process live stock market data, ensuring up-to-date information for users.

Texas Housing Price Prediction

Python, Scikit-learn, Google Colab

- Developed a robust machine learning model to predict house prices with an R-squared of 0.63, indicating high accuracy in real-life data.
- Successfully cleaned and preprocessed a large dataset of over 1 million property records, handling missing values and outliers to ensure data quality for accurate model training.
- Engineered and selected relevant features, leading to a 15% improvement in model performance.

Chore Tracker

React Native, Go, PostgreSQL

- Developed a cross-platform mobile app using React Native to track household chores and assign tasks to roommates.
- Designed and implemented a Go-based backend with RESTful APIs to manage user authentication, chore assignments, and task schedules.
- Integrated PostgreSQL for efficiently storing user profiles, chore details, and task history.
- Implemented real-time notifications to alert users about pending tasks using Firebase Cloud Messaging (FCM).