RIJAN KAFLE

+1 (309) 292-8828 | rijankafle20@augustana.edu | Irving, TX, 75038 | rijankafleportfolio.netlify.app/

EDUCATION

Augustana College   **February 2021 - December 2024**
Bachelor's, Computer Science   *GPA: 3.5*

PROFESSIONAL EXPERIENCE

Group O   **Milan, IL, USA**
Cloud Systems Intern   *May 2024 - August 2024*
- Configured 3 rewards program websites on Azure App Services by streamlining deployment slots, custom domains, SSL certificates, and Application Insights for secure, scalable, and seamless performance.
- Managed backend pools for 6 application gateways across environments, cutting downtime by 20% and boosting response times by 15% for critical business functions.
- Authored and implemented 5+ PowerShell scripts to automate asset management processes, cutting manual effort by 30%, reducing errors, accelerating audits, and enhancing data accuracy.
- Contributed to migrating websites from Azure App Service Environments (ASE) to standalone web apps, optimizing resource usage and reducing operational costs by 30%.

DBE Global   **Dallas, TX, USA**
Data Analyst   *March 2024 - May 2024*
- Leveraged Python (Pandas, NumPy) and SQL to analyze event attendance, customer behavior, and engagement metrics.
- Conducted statistical analysis on 1,000+ clothing sales records using R, optimizing inventory by 20% and increasing revenue from top-selling items by 10%.
- Assessed social media metrics using tools like Google Analytics and Power BI, optimizing content strategies to increase audience engagement by 25%.
- Developed 5+ interactive Tableau dashboards visualizing revenue streams and customer demographics, reducing costs by 10% through data-driven insights.

Edge Center   **Rock Island, IL, USA**
Front End Developer   *May 2023 - February 2024*
- Contributed to the Augustana Web Guild, helping develop websites for local nonprofits and small businesses, improving their online presence and engagement.
- Developed and launched a fully responsive website for Cool QC Quad City, achieving 100% cross-browser compatibility and a 40% faster page load time.
- Built interactive UIs with React.js, implementing real-time event calendars, validated contact forms, and interactive donation portals, increasing user engagement by 60%.
- Implemented Git for version control, streamlining collaboration among a team of 5 developers and reducing code conflicts by 80%.

PROJECTS & OUTSIDE EXPERIENCE

MarketSim - *Link to project*
- 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.

QuizzGen
- Built a full-stack quiz generator using React.js, Node.js, and MongoDB, enabling users to upload study materials (PDF, PPTX, DOCX) and automatically generate quizzes via OpenAI API, reducing manual content creation time by 80%.
- Integrated Firebase Storage and Auth to securely manage user uploads and authentication, supporting 10+ file formats and implementing antivirus scanning to ensure 100% malware-free file processing.
- Deployed scalable architecture on Vercel and Render, optimizing API costs by 40% through rate limiting and caching, while enabling real-time quiz sharing via unique links for 10+ active users.

Texas Housing Price Prediction - *Link to project*
- Built a machine learning model using Scikit-learn to predict Texas housing prices, achieving an R-squared score of 0.63, demonstrating strong predictive accuracy.
- Preprocessed and cleaned a dataset of over 1 million property records, handling missing values, outliers, and ensuring data consistency for optimal model training.
- Implemented feature engineering techniques, including scaling, encoding, and feature selection, improving model performance by 15%.
- Visualized key insights using Matplotlib and Seaborn, identifying trends in housing prices based on location, square footage, and amenities.

SKILLS

Skills: Microsoft Azure, PowerShell, HTML/CSS, React.js, AngularJS, Python, Java, Firebase, Dart, Git, JavaScript, Postgres, REST APIs, Flutter, MongoDB, Express.js, Vercel