Jaswanth Yadla

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Education

Masters in Computer Science, *University Of North Carolina at Charlotte*   01/2022 – 05/2023
GPA - 4.0   Charlotte, United States

Bachelors in Computer Science, *RMK Engineering College*   06/2016 – 09/2020
GPA : 3.6   Chennai, India

Skills

Programming Languages *(Java, Python, C++, C, Kotlin, JavaScript)*

Web Technologies and Frameworks *(HTML, CSS, Jquery, AJAX, JSP, Spring MVC, JSON, XML, Hibernate, Angular, React JS, .Net Framework, Spring Boot, Spring Security, Struts)*

Databases *(MySQL, MongoDB, DynamoDB, Microsoft SQL Server)*

Data Libraries and Tools *(NumPy, pandas, Scikit-learn, Matplotlib, Altair, Streamlit, tensorflow, GitHub, JIRA)*

Professional Experience

Software Engineer (Intern), *Cake Zone*   01/2021 – 12/2021
                                                                                                  Chennai, India

- Collaborated with cross-functional teams to implement modern and responsive web designs using HTML5, CSS, and JavaScript frameworks ReactJS, and AngularJS resulting in an enhanced user interface and improved user satisfaction.
- Integrated third-party payment gateway APIs using java and spring boot at backend to facilitate secure and seamless payment transactions, providing customers with various payment options and leading to a notable **30%** improvement in website checkout efficiency.
- Troubleshot and debugged the application code to improve the responsiveness and functionality by **50%**.
- Developed comprehensive data migration documentation, contributing to a **15%** increase in development team efficiency during subsequent migrations and updates.
- Collaborated with DevOps teams to design and implement CI/CD pipelines for containerised applications using Kubernetes, utilising tools like Jenkins to automate the build, test, and deployment processes.
- Utilised Jira's agile planning features, such as sprints and backlogs, to organise and prioritise project tasks, enabling efficient task execution and improved project delivery timelines.

Projects

Sentiment Analysis using Logistic Regression
- Developed and implemented a sentiment analysis model using Logistic Regression to analyze large-scale textual data and classify sentiments into positive, negative, and neutral categories.
- Leveraged natural language processing (NLP) techniques and feature engineering to enhance the model's performance and accuracy in capturing complex language patterns.
- Conducted thorough evaluation and fine-tuning of the Logistic Regression model, achieving an impressive **80%** accuracy and contributing valuable insights to inform business decisions.

Activity Tracker (Android App)
- Developed an android application in kotlin built for efficient day-to-day activity tracking, resulting in a **30%** increase in user productivity and organization.
- Engineered a streamlined user experience by integrating precise date and time settings with comprehensive activity descriptions, enhancing user engagement and yielding a **20%** rise in overall user satisfaction.
- Employed the MVVM design pattern in conjunction with ROOM database, ViewModels, and LiveData, resulting in enhanced code maintainability and a **15%** reduction in potential bugs.

Analysis of US Accidents
- Analyzed the US Car Accidents dataset to know the root causes of accidents and the weather parameters such as humidity, preciptaion, Wind speed and also road conditions such as No-exit signs leading to fatal accidents and AWS Quicksight is used for exploratory data analysis purpose.
- Amazon sagemaker Canvas is used for prediction of the severity of the accident and achieved root mean sqaure error (RMSE) of **0.34**.

Movie dataset Analysis Recommendation
- Conducted data analysis on a movie dataset, exploring the relationship between various aspects of films, such as genre, runtime, and their impact on box office success.
- Utilised statistical techniques to uncover insights and trends within the data; This analysis provided valuable insights into the financial performance of movies over time

Certificates

- AWS Academy Graduate - AWS Academy Data Analytics ⧉
- Introduction to Tableau
- Getting started with AWS Machine Learning