

Vedasai Kamisetty

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EDUCATION

University of Texas at Dallas
Master of Science in Business Analytics

Dallas, TX
Jan 2023 – Dec 2024

TECHNICAL SKILLS

Programming: Python, R, Java, HTML, CSS, JavaScript.

Library: Django, Flask, Numpy, Pandas, Scikit-learn, TensorFlow.

Databases: MySQL, PostgreSQL, MongoDB.

Tools: AWS, Tableau, Power BI, Excel (Advanced), MS Office, Alteryx.

Data Analytics: Data Cleaning, Data Visualization, Machine Learning Algorithms, Data Science, Statistical Concepts.

EXPERIENCE

L&T Technology Services

Mysuru, India

Senior Engineer

Nov 2021 – Nov 2022

- Developed and optimized CI/CD pipelines in **Jenkins using Groovy**, decreasing pipeline time by 30% and managing execution of over 150 test cases.
- Created automation scripts to streamline data collection processes, reducing manual effort by 50% using **Python and Pandas**.
- Performed Software-In-Loop (SIL) Testing, creating and automating over 150 test cases for circuit board functionality and performance validation.

Smartried Software Solutions Pvt. Ltd.

Bangalore, India

Software Developer

Apr 2018 – Nov 2021

- Led a team of 3 to develop a customer support portal, reducing response time by 20%.
- Developed backend code for RESTful APIs using **Python, Django, and Flask**, increasing user engagement by 20% for applications used by over 10,000 users.
- Applied distributed computing principles with **AWS, Docker, and Apache Kafka** to optimize cloud application scalability and integration.
- Conducted unit testing and applied test-driven development (TDD) using unit-test and mock, enhancing code reliability and reducing bugs.

ACADEMIC PROJECTS

Telecom Customer Churn Prediction Analysis | *Python, Scikit-learn, XGBoost, Sweetviz, SMOTE*

- Performed data preprocessing, feature engineering, and Exploratory Data Analysis (EDA) using Sweetviz library.
- Implemented machine learning models, including Logistic Regression, Random Forest, SVM, and XGBoost, to predict customer churn.
- Addressed class imbalance with SMOTE, achieving a **95% accuracy** and **85% F1-score** on test data.
- Collaborated with a team of four and developed a detailed report and presentation as part of the coursework.

AI Chatbot Development | *Streamlit, Python, Natural Language Processing*

- Developed an interactive chatbot application using Streamlit, incorporating NLP techniques for user query handling.
- Integrated functionality for booking management by leveraging database schema design with `appointment_id`.
- Optimized the user interface for seamless interaction and enhanced user experience.
- Designed and tested multiple conversation flows to ensure robust and reliable chatbot responses.