RAKSHIT SOLANKI

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OBJECTIVE

An aspiring Artificial Intelligence and Data Science professional with a strong academic background and practical experience in machine learning and data analysis. Eager to leverage expertise in innovative projects and contribute effectively to advancing the field.

EDUCATION

Master of Computer Engineering, Gujarat School of Engineering and Technology - GTU, Ahmedabad   2022 - 2024
Artificial Intelligence and Data Science

Bachelor of Computer Engineering, Marwadi University, Rajkot   2018 - 2022

SKILLS

Technical Skills	Data Analysis, Data Modeling, Data Visualization, Machine Learning
Database/Server	My SQL, PostgreSQL
Data Tool and Language	Microsoft Excel, SQL, Matplotlib, Tableau, Python, PowerBI, scikit-learn
Soft Skills	Time Management, Collaborative, Problem Solving

PROJECTS

A Hybrid Music Recommendation System using Collaborative Filtering and Text Mining.

- Developed a hybrid music recommendation system by combining collaborative filtering and text mining techniques. Utilized a dataset of 5000+ records, removing irrelevant columns, and normalized text data for analysis.
- NLTK library was employed for tokenization and stemming of textual data (Lyrics).
- Transformed text data into numerical features using TF-IDF vectorization for developing a recommendation function based on user input songs.

Hand Sign Detection.

- A hand sign detection system using OpenCV and cvzone for real-time recognition of hand signs.
- Utilized hand tracking and classification modules to detect and classify hand signs in video streams.
- Achieved real-time detection and classification of hand signs with satisfactory accuracy using Python, OpenCV, cvzone, keras technologies.

Employee Payroll System.

- Python-based Employee Payroll System using Tkinter GUI toolkit.
- Designed user-friendly interfaces for employee record management and salary calculations.
- Implemented SQLite3 database integration for secure data storage, receiving positive feedback for delivering a reliable and functional system on time.

CERTIFICATES

- Power BI for Data Visualization (2023)
- Career Essentials in Business Analysis by Microsoft and LinkedIn (2023)
- Data Analytics With Specialisation in Tableau (2023)

- Excel Essential Formulas And Functions from Jobaaj (2022)

- Statistical Thinking for Industrial Problem Solving - JMP (2023)

- Data Analytics for Beginners from jobaaj (2022)