TEJAS BANDAL

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ABOUT ME

Data-driven and detail-oriented professional with a Master's in Computer Applications, experienced in Python, SQL, Power BI, and machine learning. Skilled in data cleaning, EDA, and predictive modeling, with a focus on translating data into actionable insights to support business growth and decision-making.

EDUCATION

MIT WPU

Master of Computer Applications (MCA)

2022 - 2024

ABEDA INAMDAR SENIOR COLLEGE, PUNE

Bachelor of Computer Applications (BCA)

2019 - 2022

SKILLS

- PYTHON
- MYSQL
- AI & ML
- R Programming
- POWER BI
- TABLEAU

EXPERIENCE

Software Developer Intern **Feb 2024 – Aug 2024**

Portalwiz IT Solutions – Pune, Maharashtra

- Developed and deployed a SaaS chatbot to automate customer queries, reducing response time by 30%.
- Built an Automated Facial Recognition Attendance System using Python, improving accuracy by 25%.
- Conducted software testing, debugging, and feature enhancements in collaboration with cross-functional teams.
- Analyzed chatbot usage data to iteratively improve NLP responses and user engagement.

PROJECTS

Automated Facial Recognition Attendance System

Python, OpenCV, Face Recognition Library

- Developed an AI-based attendance system using facial recognition to identify and log students/employees automatically.
- Integrated OpenCV and face_recognition libraries to detect and recognize faces in real-time from webcam input.
- Stored attendance records with timestamps in a structured format (CSV/Database), improving accuracy by 25% and reducing manual errors.
- Implemented user registration, face dataset generation, and live detection modules with GUI using Tkinter.

Role-Based Ticketing System

Python, MongoDB, React.js

- Built a full-stack ticketing platform with role-based access for admins, employees, and users.
- Implemented real-time issue tracking and resolution workflows, improving service efficiency by 40%.

CERTIFICATES

- **IBM Python for Data Science (PY0101EN) – edX**
- **IBM Data Science Fundamentals (DS0101EN) – edX**
- **IBM Cloud Essentials (CB0103EN) – edX**
- **Linux Foundation: Introduction to Linux (LFS101x) – edX**

Heart Disease Prediction System

Python, Machine Learning

- Developed a classification model using logistic regression and decision tree algorithms.
- Achieved 85% accuracy on test data, enabling early risk detection in patients based on health parameters.

Music Recommender System

Python, Pandas, scikit-learn, Cosine Similarity

- Built a content-based music recommendation system using track metadata (e.g., genre, mood, artist) and user preferences.
- Applied feature extraction and vectorization techniques to compute song similarity using cosine similarity.
- Enabled personalized song recommendations based on user listening history and preferences.
- Demonstrated improved user engagement by recommending relevant songs with high similarity scores.

Spotify User Behavior Dashboard

Power BI

- Created an interactive dashboard to analyze Spotify user listening patterns, popular genres, and time-based trends.
- Enabled marketing teams to identify target audience behavior and improve campaign strategies.

Sales & Marketing Performance Dashboard

Tableau

- Developed dynamic dashboards to visualize key sales metrics, customer segmentation, and regional revenue performance.
- Helped business teams optimize regional strategies and improve revenue forecasting.

ACHIEVEMENTS

- Maharashtra State-Level Cricket Player
- Semi-finalist – All India West Zone Cricket Tournament
- 2nd Rank, State-Level Powerlifting Championship