

MOHINI JADHAV

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Technical Skills

Languages: Python, Pandas, Numpy, Seaborn, Statistical analysis, matplotlib

DataBases: SQL, postgresql

Visualization Tools: Power BI, Tabelu

Other Skills: Generative AI, Advanced Excel, Business Analysis, Data Analysis, Data Visualization, Business Intelligence, Data Cleaning,

Education

Bachelor of Engineering (CSE in AI&ML) - MUMBAI UNIVERSITY

Vishwaniketan college of Engineering, Vimeet

August 2020 -May 2024

CGPA 8.7/10

Experience/Projects

Data Analysis Intern

January 2024 – February 2024

Bangalore International Airport Ltd (BIAL), Corporate Strategy and Business Development Team

- Analyzed duty-free transaction data using Python for preprocessing and cleaning, ensuring data accuracy.
- Applied Apriori algorithm for association rule mining to optimize cross-selling strategies.
- Developed interactive Power BI dashboards for visualizing insights and supporting data-driven decisions.
- Contributed to strategic planning and inventory management by analyzing transactional data based on flight routes, destinations, and sale timings.

Projects

Document Analysis using LLM

- Designed and implemented a document analysis solution using the Groq API and Mixtral model to extract insights, summarize content, and interpret contextual information.
- Automated document processing workflows in Python, leveraging advanced AI capabilities to enhance data analysis and extraction efficiency.

Credit Card Approval Prediction (Machine Learning Project)

- Developed and implemented a credit-scoring model using Logistic Regression for binary classification, ensuring transparency in feature contribution by converting coefficients into interpretable scorecards.
- Explored advanced machine learning techniques like Boosting, Random Forest, and SVM for enhanced predictive accuracy, balancing interpretability and regulatory compliance.

Mental Therapy Chatbot (Duration August 2023 - March 2024)

- Developed a chatbot using Python, NLP, and deep learning for personalized mental health support.
- Assessed emotional states, offered coping strategies, and provided resources through empathetic interactions and real-time sentiment analysis.
- Created a responsive and secure platform for confidential user interactions.

Sales and Inventory Management System(SQL Project)

- Design a database for managing sales and inventory. Include tables for products, suppliers, sales transactions, and inventory levels.
- Create SQL queries for managing stock levels, tracking low-stock items, and generating monthly sales reports.

Certification

- Certified in Data Analytics – FortuneCloud, Pune **August 2024 – December 2024**
- Google Data Analytics Certifications (Coursera)- Gain proficiency in data analysis fundamentals, Google Analytics, and data visualization techniques.
- Anudaksh Online training program Machine Learning and Edge AI

Achievements

- Published Research Paper titled "Mindwell: A Psychological Guide for Well-being" in the Journal of Artificial Intelligence Research
- First runner up in inter college project exhibition for the project 'Hand Gesture Recognition using OpenCV'