SEAN MINEZES

Data Science

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PROFESSIONAL SUMMARY

Dedicated and detail-oriented Data Science student with hands-on experience in Python, R, SQL, and data visualization. Proficient in data cleaning, feature engineering, and predictive modeling, with a passion for leveraging machine learning to address complex real-world challenges. Actively seeking opportunities to contribute analytical and technical expertise to innovative projects.

EDUCATION

B.Sc. in Data Science **2022–2025**
Nilkamal School Of Mathematics and Applied Statistics and Analytics, NMIMS Mumbai
CGPA: 3.77/4.0

XII Commerce **2021–2022**
Sydenham College of Commerce and Economics
Percentage: 86%

TECHNICAL SKILLS

- **Programming**: Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn), R.
- **Database Management:** SQL (MySQL, PostgreSQL).
- **Machine Learning:** Classification models, Regression, Scikit-learn, NLP, Deep-Learning, Tensorflow, Keras.
- **Statistics:** Probability theory, Data sampling, Regression analysis, Bayesian statistics
- **Big Data Tools:** Hadoop.
- **Data Visualization:** Microsoft Power BI, Matplotlib, Seaborn, Tableau.
- **Other Tools:** Excel, R Studio.
- **Soft Skills:** Communication, Problem-solving.

PROJECTS

Automated Checkout System **April 2025**

- Designed and implemented a computer vision-powered automated checkout and inventory system using YOLOv11, achieving 99.4% detection accuracy (mAP@50) across 17 product categories and enabling real-time, error-minimised billing and stock updates.
- Applied Apriori-based Market Basket Analysis to uncover product associations and deployed SARIMA forecasting (MAPE: 11.9%) to optimise inventory, reduce stockouts, and inform data-driven retail strategies.
- Built a Streamlit-based UI for real-time billing, inventory updates, and analytics, processing 500+ daily transactions. System setup cost (camera + conveyor: ₹6,000–9,000) undercut RFID alternatives by 85% while ensuring 100% stock visibility

Fake News Detection **Sept 2024**

- Designed an NLP-based fake news detection model (96.22% accuracy), demonstrating its potential to curb misinformation in media.
- Preprocessed 44,897 news articles using tokenization, lemmatization, stemming, and stopword removal.
- Implemented and compared classification algorithms like Logistic Regression and SVM to enhance performance.

Deepfake Audio Detection **May 2024**

- Built a deepfake audio detection model (97.89% accuracy), demonstrating its effectiveness in distinguishing AI-generated speech from human speech.
- Applied SMOTE for handling imbalanced datasets (1:9) and utilized audio features such as MFCC, tonal contrast, and chromagram.
- Developed an interactive user interface to enhance engagement and usability.

Statistical Analysis of Indian Cricket Team **Nov 2023**

- Conducted statistical analysis of the Indian cricket team's performance (2019–2023) using regression, correlation, chi-square, and t-tests.
- Developed four new metrics to evaluate player performance and devised a 13-member optimal team.

CERTIFICATIONS

- Neural Networks and Deep Learning | DeepLearning.AI
- Power BI Virtual Case Experience | PWC