Rohit Akole, MSTM

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Aspiring data enthusiast with a strong foundation in Data Science. Proficient in programming, machine learning, statistical analysis, and data visualization. Skilled at tackling complex data challenges to drive innovation and support business goals.

EDUCATION

University of Connecticut, School of Business – Hartford, CT May 2025
Master of Science in Business Analytics and Project Management, Concentration: Data Science

University of Bridgeport, School of Engineering – Bridgeport, CT May 2019
Master of Science in Technology Management, Concentration: IT and Big Data

North Maharashtra University, School of Management – Jalgaon, India May 2015
Bachelor of Business Management, Concentration: E-Commerce

TECHNICAL SKILLS

Programming: Python, SQL, R Programming, Machine Learning, Django
Tools: PyCharm, Jupyter Notebook, Tableau, SAS Studio, PowerBI, ESP Scheduler, RStudio, SSIS, SSMS, MS Visio, GitHub, MS Excel, MS Access, Google Data Studio, Google DataPrep, SAS JMP, Office 365, Figma (UI Tool)

RECENT PROJECTS

Insurance Fraud Detection Using AI/ML Libraries
- Tasked with improving the detection of fraudulent insurance claims from a dataset of over 50,000 records to minimize financial losses.
- Engineered and tested multiple machine learning models (Logistic Regression, Decision Tree, Random Forest) and performed feature selection and extraction to enhance model performance.
- Achieved a precision of 92% and recall of 88%, with the final Random Forest model reducing false positives by 20% and increasing the fraud detection rate by 25%, leading to projected annual savings of $500,000.

Sentiment Analysis of 2020 US Presidential Election Tweets Using SAS Miner
- Analyzed over 1 million tweets related to the 2020 US Presidential Election, aiming to understand public sentiment during key events.
- Engineered and optimized machine learning models (Logistic Regression, Decision Tree, Random Forest) using SAS Enterprise Miner for sentiment classification.
- Achieved 89% accuracy and an F1-score of 0.85, providing actionable insights through sentiment trend analysis and visualization, which informed real-time decision-making for stakeholders.

Walmart Sales Forecasting Using Time Series Analysis Using SAS Studio
- Executed weekly sales forecasts for 45+ Walmart departments to optimize inventory management and minimize financial losses.
- Developed and refined ARIMA and Seasonal Decomposition models, incorporating features like promotional campaigns, holidays, and economic indicators to improve prediction accuracy.
- Achieved 90% forecasting accuracy, leading to a 20% reduction in stockouts and a 15% decrease in excess inventory, resulting in an estimated $2.5 million in annual cost savings.

PUBLICATIONS

- Rohit Vikas Akole (2021); Operation and Significance of Supply Chain Management (SCM) in Business; International Journal of Scientific and Research Publications (IJSRP) 11(6) (ISSN: 2250-3153).
- Akole, R. V. (2019) Problems and Solutions for Project Management Information Systems. International Journal of Science and Engineering Investigations (IJSEI), 8(87), 80-85.
- Peer Reviews:
    - Reviewed a manuscript for the Asian Journal of Economics, Business and Accounting (Certificate No: PRAJEBA113398ROH) on 11th March 2024.
    - Reviewed a manuscript for the *Archives of Current Research International* (Certificate No: PRACRI121283ROH) on 2nd August 2024.

CERTIFICATIONS

- IBM Data Science, a 9-course professional certification by IBM on Coursera.
- IBM Data Analyst, a 9-course professional certification by IBM on Coursera.
- Advanced Google Analytics.
- Google Analytics for Power Users.