

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 <i>Master of Science in Business Analytics and Project Management, Concentration: Data Science</i>	May 2025
University of Bridgeport, School of Engineering – Bridgeport, CT <i>Master of Science in Technology Management, Concentration: IT and Big Data</i>	May 2019
North Maharashtra University, School of Management – Jalgaon, India <i>Bachelor of Business Management, Concentration: E-Commerce</i>	May 2015

TECHNICAL SKILLS

Programming: Python, SQL, R Programming, Machine Learning, HTML5, CSS3

Tools: PyCharm, Jupyter Notebook, Tableau, GitHub, SAS Studio, SAS Miner, MS SQL Server, MS Visio, MS Excel, MS Access, SAS JMP, Office 365

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.

Lending Dataset Analysis: A Comprehensive Predictive Modeling Approach

- Analyzed a lending dataset to develop predictive models for loan approval and default risk assessment.
- Built and evaluated multiple predictive models (Logistic Regression, Random Forest, Gradient Boosting) using Python, processing data from 50,000+ loan applications to identify key risk factors.
- Improved loan default prediction accuracy by 20%, reduced false positives by 15%, and decreased model training time by 30%, enhancing the decision-making process for loan approvals.

Inspiring Change: Collaborating with My Sister's Place

- Led a project to support and raise awareness for My Sister's Place, a non-profit organization dedicated to providing resources for women in need.
- Coordinated a team of 6 to design and execute a fundraising campaign, develop promotional materials, and organize community outreach events. Managed project timelines, delegated tasks, and facilitated communication between stakeholders.
- Successfully raised over \$2,000 for the organization, developed and implemented five new strategies to support their mission, and increased community engagement by 30%, significantly enhancing the organization's visibility and resource base.

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: PRAJEB A113398ROH) 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.