

# 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

<b>University of Connecticut, School of Business – Hartford, CT</b> <i>Master of Science in Business Analytics and Project Management, Concentration: Data Science</i>	May 2025
<b>University of Bridgeport, School of Engineering – Bridgeport, CT</b> <i>Master of Science in Technology Management, Concentration: IT and Big Data</i>	May 2019
<b>North Maharashtra University, School of Management – Jalgaon, India</b> <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: PRAJEB113398ROH) 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.