

Rohit Akole

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SUMMARY

Data Science graduate student with a strong foundation in programming, machine learning, and data visualization. Founder and President of the Modlee AI/ML Student Club in collaboration with Modlee.ai, fostering hands-on learning. Led a team to 26th of 289 in the Humana-Mays competition, showcasing leadership and skill in complex data challenges.

EDUCATION

University of Connecticut, Graduate School of Business, Hartford, CT <i>Master of Science (M.S.), Business Analytics and Project Management</i> <i>Concentration: Data Science</i>	May 2025
University of Bridgeport, School of Engineering, Bridgeport, CT <i>Master of Science (M.S.), Technology Management</i>	May 2019
North Maharashtra University, School of Management, Jalgaon, India <i>Bachelor of Business Management</i>	May 2015

TECHNICAL SKILLS & CERTIFICATIONS

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

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

Certifications: IBM Data Science, professional certification by IBM on Coursera, 2021; IBM Data Analyst, professional certification by IBM on Coursera, 2022

BUSINESS & ACADEMIC PROJECT EXPERIENCE

Modlee AI/ML Student Club (MAIC), University of Connecticut Sept 2024 - Present
President and Founder

- **Founded** and led the Modlee AI/ML Student Club (MAIC), creating a collaborative platform for students of all backgrounds to explore **AI and machine learning**.
- Organized **hackathons, competitive events and projects**, providing members with hands-on experience and industry insights through **events featuring AI/ML professionals**.
- **Highlighted** by the University for leadership and dedication to **fostering a supportive, innovative learning environment** in AI/ML.

Insurance Fraud Detection Using AI/ML Libraries (Python, Colab, Decision Tree, Random Forest, Logistic Regression)

- Improved detection of **fraudulent insurance claims** from dataset of over **50,000 records**, minimizing financial losses.
- Collaborated with a team of 4 to **iterate ML models** and performed **feature extraction**, enhancing **model performance**.
- Achieved **92% precision** and **88% recall**, with the final Random Forest model reducing false positives by 20% and increasing fraud detection by 25%.

Lending Dataset Analysis Using Predictive Modeling (SAS JMP, Neural Network, Gradient Boosting, Random Forest)

- Analyzed a **lending dataset** to develop **predictive models** for loan approval and default risk assessment.
- Built and evaluated multiple predictive models using SAS JMP, **processing data from 235,000+ loan applications** to identify key risk factors.
- Improved **loan default prediction accuracy by 20%**, **reduced false positives by 15%**, enhancing the decision-making process for loan approvals.

Inspiring Change: Collaborating with My Sister's Place

- Inspired community support and **raised awareness** for the organization that provides resources for women in need.
- Coordinated **team of 6** to design fundraising campaign, develop promotional materials, and organize outreach events.
- Raised over **\$2,000**, implemented five new support strategies, and increased community **engagement by 30%**, boosting the organization's visibility.

PUBLICATION EXPERIENCE

- 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.