Rohit Akole

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DATA SCIENTIST

Curious and data-driven, with hands-on experience in fast-paced startup environments, machine learning, and predictive modeling. Placed in the top 10% at the Humana-Mays competition, demonstrating leadership in solving complex data challenges. Skilled at collaborating with leaders to drive strategy, boost efficiency, and fuel business growth.

EDUCATION

University of Connecticut, Graduate School of Business, Hartford, CT May 2025
Master of Science (M.S.), Business Analytics and Project Management (Data Science) GPA: 4.00/4.00
University of Bridgeport, School of Engineering, Bridgeport, CT May 2019
Master of Science (M.S.), Technology Management GPA: 3.89/4.00
North Maharashtra University, School of Management, Jalgaon, India May 2015
Bachelor of Business Management

TECHNICAL SKILLS & CERTIFICATIONS

Programming: Python, SQL, Machine Learning, R Programming, HTML5, CSS3
Tools: PyCharm, Jupyter Notebook, Tableau, GitHub, Docker, SAS Studio & Miner, SQL Server, Visio, Excel, Access
Certifications: IBM Data Science, professional certification by IBM on Coursera, 2021; IBM Data Analyst, professional certification by IBM on Coursera, 2022

PROFESSIONAL EXPERIENCE

Data Science Associate Intern, Alo Index Jan 2025 – Present

- Automated data integration from 10+ sustainability certifications using Python, enriching ESG profiles for 1,000+ hotels and improving data accuracy through verified matches.
- Mapped certification criteria to 200+ evaluation questions, enabling dynamic pre-filling that saved hours of manual work per hotel and enhanced platform usability.
- Collaborated closely with the founders and stakeholders on product strategy and data-driven decisions, gaining direct exposure to leadership in a high-paced startup environment.

Data Science Capstone Consultant – Stanley Black & Decker, University of Connecticut Jan 2025 – Present

- Forecasting 12-month warranty claim volumes and costs using time series modeling on 5 years of historical data (~375K claims, 1.6M+ rows) to support strategic planning.
- Leveraging LLM-based (llama3 using Docker) text mining on dealer communications (diagnosis and repair fields) to identify recurring issues and extract actionable insights.
- Developed an interactive Tableau dashboard to present historical trends, forecast outputs, and text-driven visualizations (e.g., word clouds) for cross-functional use.

President and Founder, Modlee AI/ML Student Club, University of Connecticut Sept 2024 – Present

- 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.
- Featured twice in Student Highlights by the University for leadership and dedication to fostering a supportive, innovative learning environment in AI/ML.

ACADEMIC EXPERIENCE

Graduate Teaching Assistant – Introduction to Deep Learning, University of Connecticut Jan 2025 – Present

- Evaluated graduate-level assignments with a focus on code quality, model performance, and documentation.
- Delivered individualized, constructive feedback to support student learning, model implementation best practices.
- Collaborated with the teaching team to maintain academic standards and ensure timely grading cycles.

Project on Insurance Fraud Detection Using AI/ML Libraries (Python, Decision Tree, Random Forest)

- Improved detection of fraudulent insurance claims from a 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%.