

Mohammed Reza Momin

1040 N Cass Street Apt #707S Milwaukee, WI 53202

404-425-0245

momin.mohammed9@gmail.com

PROFESSIONAL SUMMARY

Machine Learning and AI Engineer with 5 years of experience delivering innovative solutions across industries including Financial Services, Healthcare, and Marketing. Specializing in **quantitative analytics** and **model development**, with 3 years of experience leading cross-functional teams globally to execute high-quality technical projects from start to finish. Proven expertise in leveraging **Python** and **SQL** to develop **ML/AI models**, build **data pipelines**, and perform **statistical analysis** on **large structured and unstructured datasets**. Skilled in explaining complex technical concepts to non-technical teams, facilitating effective collaboration, and delivering actionable insights. Deeply curious with a strong focus on continuous learning and problem-solving, particularly in applied mathematics, machine learning, and AI.

TECHNICAL KNOWLEDGE

- Programming Languages: Python (scikit-learn, pytorch, LangChain, spark), SQL, R, MATLAB, Java, C#
- Cloud Tools: Azure AI Services, Azure AI Foundry, Azure Machine Learning, Azure DevOps (CI/CD), Terraform, Azure AI Vision, Azure AI Document Intelligence, Copilot Studio, Microsoft Power BI, Microsoft Fabric, Docker
- Architect skills: Retrieval Augmented Generation (RAG), MLOPs, Scalable Generative AI/LLM solutioning

WORK EXPERIENCE

RSM US LLP

Artificial Intelligence & Machine Learning Supervisor Consultant

February 2022 – Present

- Collaborated with sales teams to scope artificial intelligence and machine learning solutions for enterprise clients, directly contributing to new business opportunities.
- Led customer-facing workshops and knowledge transfer sessions, resulting in improved customer understanding of machine learning and artificial intelligence applications in their business context.
- Owned the end-to-end process for PoC development, from identifying customer requirements to delivering actionable AI solutions that validated business use cases.
- Developed and deployed unsupervised anomaly detection algorithms in Python based on cutting-edge research to classify transaction risk levels in general ledgers, delivering real-time insights via Power BI dashboards to help clients proactively identify anomalous transactions and prepare for financial audits.
- Implemented diverse Retrieval Augmented Generative (RAG) architectures to train AI agents across multiple use cases, including HR automation, IT support, and code generation to drive efficiency.
- Designed and implemented machine learning forecasting models, providing clients across manufacturing, consumer products, and healthcare industries with revenue and sales forecasts to support strategic planning.
- Utilized CI/CD pipelines in GitHub and Azure DevOps for seamless code promotion across environments, ensuring efficient deployment and integration of machine learning models and AI solutions.
- Wrote Infrastructure as Code (IaC) scripts using Terraform to automate the deployment of Azure resources with specific parameters, ensuring consistent, repeatable, and scalable infrastructure provisioning.
- Directed a team of AI engineers in the creation of an AI-driven grant writing application for a municipal client, reducing time spent on writing grants by over 50% and streamlining the application process.

Technology Consulting Associate

July 2019 - December 2020

- Assessed the current state of clients' business intelligence standards and helped build a roadmap to improve it.
- Developed X++ code on an enterprise support team to customize functionality in Microsoft Dynamics CRM
- Wrote complex SQL queries to build data entities for dashboard development in Microsoft Dynamics CRM
- Automated user testing of business processes in Microsoft Dynamics and managed it through Azure DevOps

PROFESSIONAL CERTIFICATIONS

Microsoft Certified: Azure AI Engineer Associate

March 2023

Microsoft Certified: Azure Data Scientist Associate

February 2022

EDUCATION

Johns Hopkins University Baltimore, MD

August 2019 – December 2021

- Whiting School of Engineering; Master of Science in **Data Science**
- Certificate of **Financial Mathematics: Quantitative Portfolio Management**

University of Georgia Athens, GA

August 2015 – May 2019

- Bachelor of Science in **Applied Mathematics** with a minor in **Computer Science**
- Certificate of **Data Science**; Certificate of **Actuarial Science**