

Mahitha Gudipaty

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EDUCATION

Northeastern University, Khoury College of Computer Sciences, Boston, MA

Sept 2022 - Present

Bachelor of Science: Data Science & Business Administration

Relevant Courses: **Advanced Programming with Data**, Database Design, Natural Language Processing, Information Presentation and Visualization, Discrete Structures, Financial Management

TECHNICAL SKILLS

Languages & Libraries:	Python, C++, VBA, Pandas, NumPy, scikit-learn, PyTorch, TensorFlow, LangChain
Data & Cloud:	Azure AI Services, OpenAI APIs, MySQL, Databricks, Spark, Hadoop, Dataverse, DAX, XML, JSON
AI, Automation & Tools:	Microsoft Power Platform (Copilot Studio, Power Automate, Power BI, Lists, Agent Builder, Power Apps), GitHub, GitHub Copilot, Excel, Jupyter, PyCharm, MySQL Workbench, Claude, Claude Code, Gemini, Make, Zapier, n8n, Dataverse, Cursor, Microsoft 365, Prompt Coach

Certifications: Microsoft Certified: Azure AI Fundamentals (AI-900)

March 2025

PROFESSIONAL EXPERIENCE

AI Intern | SMBC Group

June 2026 - Aug 2026

- Architected and deployed a production multi-agent, agentic AI governance system (Copilot Studio, Power Automate, SharePoint, Microsoft Lists) that automated the end-to-end AI use case review lifecycle across 200+ requests, cutting average intake cycle time from 39 to 20 days and administrative effort per case from 10 hours to 2 hours.
- Increased governance traceability from roughly 50% to fully automated by designing a JSON-centric data architecture connecting intake, review, and reporting workflows, built for future extensibility and system integration.
- Built an AI governance intake assistant in Copilot Studio, translating complex review requirements into structured conversation flows, validation logic, and guardrails to improve intake completeness and reduce manual follow-up.
- Acted as a technical resource and trusted point of contact for analyst-level stakeholders, facilitating internal training sessions and developing Copilot prompting and agent-building guidance for banking-specific use cases to support adoption and change management.

AI Development Intern | REBA (Real Estate Business Analytics)

May 2025 - March 2026

- Designed and deployed a scalable RAG (retrieval-augmented generation) pipeline using Python, LangChain, and Azure OpenAI to extract key terms from 75+ service agreements, driving stakeholder adoption of an instant contract-querying chatbot in place of manual document review.
- Built three AI-powered Excel validation tools tailored to Yardi, AppFolio, and Entrata property management systems (Python, Azure OpenAI, VBA, SQL, LangChain, XML, DAX), reducing manual QA effort by 80% and improving reporting accuracy for client onboarding, directly supporting client-facing business value.

AI Solutions & Technical Writing Intern | MarketMaker CRE

July 2025 - Apr 2026

- Architected a Python schema-standardization pipeline integrating the OpenAI API, USPS API, and prompt engineering to reconcile property, leasing, and financial data across heterogeneous client sources; led execution from requirements definition through cross-functional rollout as the org-wide onboarding standard, in a consulting-style engagement with internal business teams.
- Built an LLM-powered contact identification system in Apollo to automate B2B prospect filtering across 300,000+ records and 6,500 companies, handling 500+ job title variations and cutting costs by 85%.
- Engineered a Python pipeline transforming 1,500+ CRM contacts into DNC-ready datasets, automating phone normalization, field validation, schema enforcement, and 2M-row partitioning while preserving identifiers for SQL reintegration.

AI Evaluation Fellow | Handshake

Nov 2025 - Jan 2026

- Evaluated large-scale GenAI outputs against ground-truth data using rigorous evaluation rubrics, identifying logic gaps and hallucinations to establish accuracy and reliability benchmarks for production LLM workflows.

PROJECTS

Wildfires Analysis and Prediction Model | Python, Seaborn, Matplotlib, K-Nearest Neighbors

May 2024 - July 2024

- Merged and cleaned seven wildfire datasets (2017-2018) and conducted exploratory data analysis with Seaborn and Matplotlib; built and evaluated a KNN classification model predicting wildfire size category with 56.9% accuracy, identifying Alaska as a high-risk region for targeted feature expansion.

Preventing Adverse Drug Events (ADEs) with Stored Programs | MySQL, SQL stored procedures, triggers

Sept 2024 - Nov 2024

- Designed a MySQL stored procedure and real-time SQL triggers to validate prescriptions against patient data (age, pregnancy status, drug interactions), automatically flagging contraindications and recommending safer alternatives to help reduce Adverse Drug Events, a leading cause of 100,000+ U.S. deaths annually.

LEADERSHIP EXPERIENCE

Captain, NU Rangila, Northeastern University

May 2024 - April 2025

- Led NU Rangila's 40-member competitive Bollywood fusion team as Captain, driving season strategy, choreography quality, and rehearsal execution; coordinated choreographers, music production, costuming, and travel to deliver consistent, high-caliber performances across the national circuit while mentoring emerging leaders.

Finance Director, NU Rangila, Northeastern University

May 2023 - May 2024

- Managed a \$16,000 annual budget for a 40-member team, led all financial operations and budgeting, data-driven fundraising that increased funds by 20%; Streamlined reimbursements and purchasing with university finance, ensuring compliance.