

ANIRBAN SAHA ANIK

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🌐 Portfolio | LinkedIn | GitHub

SUMMARY

Data Science graduate student specializing in **NLP, Machine Learning, and Analytics** | Experienced in **Python, PyTorch, SQL, Power BI**, and building AI systems | Ready to apply technical skills to solve real-world data problems

EDUCATION

University of North Texas

Master of Science in Data Science (GPA: 4.0/4.0)

Denton, TX
Dec 2025

American International University-Bangladesh

Bachelor of Science in Computer Science & Engineering (CGPA: 3.59/4.0)

Dhaka, Bangladesh
Dec 2021

TECHNICAL SKILLS

NLP & AI: Transformers, Hugging Face, RAG, LLMs (GPT, BERT), LoRA, RLHF, Prompt Engineering

Programming: Python, R, SQL, LaTeX

ML/DL: PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy

Data Engineering: Microsoft Fabric, PySpark, ETL Pipelines, Data Governance

Analytics & BI: Power BI, Tableau, Matplotlib, Seaborn, Plotly

Tools: Git, Docker, Jupyter, Linux.

PROFESSIONAL EXPERIENCE

Data Insights Analyst (Internship)

SEES Group LLC

Aug 2025 – Present
Franklin, TN

- Developed data engineering pipelines using Microsoft Fabric for enterprise data integration and transformation
- Implemented data governance frameworks and security protocols ensuring regulatory compliance and data quality
- Built Power BI dashboards supporting data-driven decision-making across cross-functional teams

Graduate Research & Teaching Assistant

University of North Texas

Aug 2024 – Aug 2025
Denton, TX

- Developed multi-agent RAG frameworks for evidence-based response generation, published at COLM and EMNLP
- Built NLP systems for misinformation detection and counter-speech generation using PyTorch and Hugging Face
- Assisted in *Data Visualization* and *Introduction to data science* courses covering Tableau, Power BI, Python, R.

Research & Teaching Assistant

American International University-Bangladesh

May 2022 – Dec 2022
Dhaka, Bangladesh

- Developed CNN-based models for medical image analysis achieving improved diagnostic accuracy on chest X-rays
- Mentored undergraduate students and assisted in database courses focusing on SQL and relational design

Software QA Intern

BRAC, Microfinance

Mar 2022 – May 2022
Dhaka, Bangladesh

- Performed UAT testing for microfinance enterprise applications, gathering feedback from 5+ branches
- Documented system requirements and proposed interface improvements to enhance user experience

SELECTED PUBLICATIONS

- A. S. Anik**, X. Song, E. Wang, B. Wang, B. Yarimbas, L. Hong. Multi-Agent Retrieval-Augmented Framework for Evidence-Based Counterspeech Against Health Misinformation. *Conference on Language Modeling (COLM 2025)*. [arXiv:2507.07307 \[Runner-Up, SIG-SM Social Media Research Competition 2025\]](https://arxiv.org/abs/2507.07307)
- X. Song, **A. S. Anik**, E. Blanco, V. Frías-Martínez, L. Hong. A Dynamic Fusion Model for Consistent Crisis Response. *Conference on Empirical Methods in Natural Language Processing (EMNLP 2025)* [arXiv:2509.01053](https://arxiv.org/abs/2509.01053)
- X. Song, **A. S. Anik**, D. Barua, P. Luo, J. Ding, L. Hong. Speaking at the Right Level: Literacy-Controlled Counterspeech Generation with RAG-RL. *Conference on Empirical Methods in Natural Language Processing (EMNLP 2025)*, [arXiv:2509.01058](https://arxiv.org/abs/2509.01058)
- 9 total peer-reviewed publications — Full list: [Google Scholar](https://scholar.google.com/citations?user=QWzJyQAAAAJ&hl=en)

AWARDS & ACHIEVEMENTS

- 1st Place, Health Informatics & Data Science Day Poster Competition, University of North Texas