

Syed Ali Haider

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Education

New York University

Bachelors of Science in Computer Science (Artificial Intelligence)

Aug '21 – May '25

Major GPA: 3.72/4.0

Relevant Coursework: Data Structures, Algorithms, Machine Learning, Computer Vision, Big Data Science, Quantum Computing, Computer System Organization, Operating Systems, Prob & Stats, Calc I & II, Discrete Math, Tech Product Management

Experience

Khudi Ventures (Dil Ka Rishta) — Research Engineer Intern (RecSys)

Jul '24 – Sep '24

- Developed a matching algorithm for a marriage match making application, increasing user engagement by 30% through enhanced profile vectorization and preference matching via attention models and social network graphs.
- Implemented machine learning models for personalized recommendations, enhancing accuracy through user feedback analysis and data acquisition of over 1M user profiles.

Reckitt Benckiser —MENA IT&D, Data Science Intern

May '24 – Jul '24

- Developed predictive pricing and sales forecasting models with 97.93% accuracy, dashboards, and AutoML solutions for ETL processes and ML model building using TensorFlow, Power BI, and Azure to support data-driven decision-making.

NYU Stern —Research Assistant (Prof. Divya Singhvi)

Jan '24 – May '24

- Developed a "nudge" recommendation system utilizing reinforcement learning and clustering techniques on panel data to target specific panelists, resulting in a measurable reduction in churn rates during a longitudinal study.

Listen.Dev —Software Engineer Intern

Jun '23 – Sep '23

- Developed a live cybersecurity monitor analyzing real-time attacks from RSS feeds, documented 20k+ supply chain attacks, and applied MySQL, Flask, GPT Turbo, LangChain, and web scrapers to streamline generation of attack summaries.

NYU Interactive Media Lab — Research Assistant (Prof. Nicole Wang)

Jan '23 – May '23

- Designed and deployed an LLM-based Gen-AI grader to automate and improve grading accuracy for college professors, utilizing MongoDB, Python, Flask, HPC, and GPT-4 Turbo.

Jika.io —Data Engineer Intern

Aug '22 – Dec '22

- Orchestrated a MySQL to Google BigQuery pipeline using DataGrip, reducing processing time by 30% and enabling real-time reporting, while contributing to a migration project; implemented a scalable, cost-efficient ETL pipeline.

Research Projects

Kiwi+ @ Multimodal Adaptive Personalization Systems Lab

Oct '24 – Present

Supervisor — Prof. Hongyi Wen

- Developing Kiwi+, a context-aware educational chatbot for CS education that leverages RAG, KR, and KL to provide multimodal, personalized learning, aiming to reduce model fine-tuning and enhance adaptability in STEM education.

MAE-BERT VQA @ Dean's Undergraduate Research Fund

May '24 – Aug '24

Supervisor — Prof. Li Guo

- Fine-tuned the BLIP-VQA model with LoRA layers and developed a custom VQA model using a MAE ViT and pre-trained BERT, incorporating cross-attention for image captioning and VQA tasks, resulting in performance improvements in VQA.

Syncify RecSys @ AI and Predictive Analytics Lab

Apr '24 – May '24

Supervisor — Prof. Anasse Bari

- Developed Syncify (model & API), a mood-based music recommendation system using Spotify and Musixmatch data.

MTR Steer @ Computer Vision Final Project

Mar '24 – May '24

Supervisor — Prof. Jean Ponce

- Developed a Transformer-based model for predicting steering angles in autonomous vehicles, achieving 95.5% accuracy.

Awards & Honors

Dean's Undergraduate Research Fund (\$1500) | *New York University*

May '24

Dean's List for Academic Year | *New York University*

'21 – '23

Research Assistant Honorary Grant (\$1500) | *New York University*

Dec '23

Scholar's Full Ride Award, Yale Young Global Scholars (\$2000) | *Yale University*

Jun '19

Leadership

Lead CS Course Assistant | *NYU CS Department* | Courses: Data Structures, ICS, ICP, ML

Aug '22 – Apr '25

Tech Lead Dev Team | *Fintech & Blockchain Club at NYU*

Jan '24 – May '24

Tech Lead & Mentor | *Tech@nyu Club*

Aug '23 – Dec '23

Director Tech Consultancy | *TAMID Group at NYU*

Aug '23 – Dec '23

Sectary General | *New York University Model United Nations VI*

Jan '23 – Mar '23

Skills

Programming Languages: Python, Java, C, C++, SQL, JavaScript, HTML/CSS

Technologies & Tools: PyTorch, TensorFlow, Flask, React, Django, Hadoop, LangChain, GPT API, RapidMiner, Azure, PowerBI, Tableau, OpenCV, NumPy, Pandas, PySpark, Matplotlib, D3.js, Linux, Git, Figma, BigQuery Markdown, L^AT_EX