

NORAH HAQUE

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EDUCATION

University of Minnesota, College of Science and Engineering

Minneapolis, MN

Bachelor of Science in Computer Science & Finance

Dec 2026

- **GPA:** 4.0
- **Coursework:** Intro to Algorithms and Data Structures, Machine Architecture and Organization, Computational Linear Algebra, Discrete Structures, Introduction to Probability and Statistics, Applied Machine Learning

SKILLS

- Programming Languages: Python, Java, C, Javascript, HTML, CSS
- Databases: PostgreSQL
- ML & Data Science: PyTorch, scikit-learn, Pandas, NumPy, Matplotlib, TensorFlow
- Tools & Platforms: Git, Bash, Docker, Linux, Excel
- Core Concepts: PostgreSQL, REST APIs, Object-Oriented Programming, Data Preprocessing

EXPERIENCE

Data Science and AI Hub (DSI)

Machine Learning Teaching Assistant

May 2025 - Present

- Support PhD- led instruction for 60+ high school students in the UMN DSI AI Explorers Summer Program
- Teach core ML topics including EDA, classification, regression, model interpretability, recommender systems, and neural networks
- Instruct using Python and libraries such as NumPy, pandas, scikit-learn, TensorFlow, and PyTorch

University Honors Program

Peer Assistant

Sep 2024 - Present

- Managed scheduling and inquiries for 500+ honors students using Excel, Google Workspace, & online check-in software

PROJECTS

Fake News Classifier Web App (Ongoing) – Personal Project

June 2025-Present

- Developing a full-stack web app with FastAPI and PyTorch to classify real vs. fake news articles
- Built a TF-IDF + SVD pipeline for text feature engineering and trained a neural network for classification
- Deployed a /predict API endpoint and enabled frontend interaction for real-time model output

Undergraduate Research (TURBO)

Oct 2024 - Present

- Developed Python scripts for image processing and PostgreSQL data ingestion for a global telescope array project
- Contributed to integrating data pipelines into the SkyPortal platform with version control in Git

LEADERSHIP, INVOLVEMENT, & TECHNICAL OUTREACH

College of Science and Engineering Student Board

Director (DEI Committee)

Oct 2024 - Present

- Led planning and execution of campus-wide DEI events and initiatives
- Launched STEM for All, a mentorship program pairing CSE undergrads with underserved high school students

ACM-W

Webmaster

Dec 2025 - Present

- Maintain and update ACM-W website using Drupal CMS
- Coordinate technical workshops and social events with the officer team