

# NORAH HAQUE

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## EDUCATION

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*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

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- **Programming Languages:** Python, Java, C, Javascript, TypeScript, HTML, CSS
- **Frameworks:** React, Next.js, Express, React Native, PyTorch, scikit-learn, TensorFlow, Pandas, NumPy, Conda
- **Databases:** Firebase, PostgreSQL, MongoDB, SQL
- **Tools/Platforms:** Git, Docker, Bash, Linux, Excel, iOS and Android (via React Native)
- **Concepts:** Deep Learning, Model Evaluation, REST APIs, Authentication (OAuth), OOP, Full-Stack Dev, DSA

## EXPERIENCE

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*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 machine learning concepts like deep neural networks, convolutional architectures, generative models, transformers, and reinforcement learning using libraries like TensorFlow, PyTorch, and scikit-learn.

*University Honors Program*

**Peer Assistant**

*Sep 2024 - Present*

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

## PROJECTS

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**SMIC Mobile App Developer (Ongoing)**

*July 2025-Present*

- Building an app for 700+ Muslims in South Metro MN with prayer times, event calendar, announcements, user login
- Using React Native, Firebase Auth, Firestore, and Tailwind

**Spam Classifier Web App**

*Jan 2025*

- Developing a full-stack web app with FastAPI, PyTorch, and Next.js to detect spam messages

**Undergraduate Research**

*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

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*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*

- Rebuilding ACM-W website with a modern web stack (Next.js, Tailwind CSS, TypeScript) to improve performance and design
- Coordinate technical workshops and social events with the officer team