NORAH HAQUE

norah.haque@gmail.com • norahhaque.com • linkedin.com/in/norahhaque/ • github.com/norahhaque

EDUCATION

University of Minnesota–Twin Cities, College of Science and Engineering | *Minneapolis, MN*

Bachelor of Science in Computer Science & Marketing | Sep 2024 - Dec 2026
- **GPA:** 4.0
- **Coursework:** Algorithms and Data Structures, Machine Architecture, Computational Linear Algebra, Discrete Structures, Probability and Statistics, Applied Machine Learning, Operating Systems, Programming Principles, Ethics

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, TypeScript, C/C++, HTML, CSS, SQL, Bash
- **Frontend / Frameworks:** React, Next.js, React Native, Tailwind CSS, Framer Motion
- **Backend / APIs:** Node.js, Express, FastAPI, APIs, Firebase, PostgreSQL, Database Schema Design
- **Data Science:** PyTorch, TensorFlow, scikit-learn, NumPy, Pandas, Matplotlib, Seaborn
- **Design / Prototyping:** Figma, Canva, Wireframing, UI/UX Design Principles
- **DevOps / Tools :** Git, GitHub, Docker, Linux, Conda, GitHub Actions, Excel

EXPERIENCE

Data Science and AI Hub (DSI)

Machine Learning Teaching Assistant | May 2025 - Aug 2025
- Supported PhD-led instruction for 90+ high school students using PyTorch, TensorFlow, and scikit-learn to demonstrate deep neural networks, CNNs, generative models, transformers, and reinforcement learning

TURBO (Telescope Ultra-Resolution Binary Observatory)

Undergraduate Research Assistant | Oct 2024 - Present
- Develop Python ETL pipelines with Pandas + SQLAlchemy to load scientific telescope data into PostgreSQL while debugging and optimizing data workflows
- Use SkyPortal API to make data accessible and manage collaborative code development with Git

PROJECTS

Muakhah | Sep 2025 - Present
- Building a full-stack crowdfunding platform supporting war-torn communities with an international team of 8 developers
- Implementing campaign and beneficiary API routes, designing database schemas, and managing multi-environment migrations using Next.js, Tailwind CSS, Neon Postgres, and Drizzle ORM with JSON-driven UI components
- Improving reliability through Jest + React Testing Library and supporting GitHub Actions CI/CD pipelines for dev and prod

UMNPray Website | Oct 2025 - Present
- Developed a web application helping UMN students discover prayer and reflection spaces on campus as part of the Student Government's broader Wellbeing Project, featuring interactive maps, location-based sorting, and detailed space information
- Built with Next.js, TypeScript, and Tailwind CSS; integrated Sanity headless CMS using GROQ queries for dynamic content management and the Google Maps API for geocoding and interactive map views

ACM-W Chapter Website | Jun 2025
- Developed and deployed a Next.js and TypeScript website, improving accessibility and digital presence for 200+ members.
- Managed project lifecycle from requirements gathering to launch, coordinating with leadership to meet branding goals

LEADERSHIP

College of Science and Engineering (CSE) Student Board

DEI Director | May 2025 - Present
- Lead 4+ annual DEI events and initiatives on campus, often in partnership with other committee leaders, deans, and faculty
- Founded *STEM for All*, a mentorship program connecting UMN undergrads with underserved high schools in the cities
- Launched a resource closet in CSE providing health products, school supplies, snacks, professional development materials, toiletries and other vital resources to support student wellbeing

Association for Computing Machinery - Women (ACM-W)

Technical Lead | Jan 2025 - Present
- Lead and maintain technical rebuild of organization website, improving maintainability and accessibility for 200+ members
- Support 10+ annual events and technical workshops aimed at uplifting gender minorities in tech