

Maimuna Muntaha

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EDUCATION

Stanford University (GPA: 3.8)

Stanford, CA

Bachelor of Science, Major: Symbolic Systems, Human-Computer Interaction

Graduation Date – 06/2026

Master of Engineering: Management Science & Engineering

Graduation Date – 06/2026

Relevant Coursework: CME 100 (Vector Calculus), CS 109 (Computational Probability), CS 103 (Mathematical Computing), CS 106A (Python), CS 106B (Programming C++), CS 147L (React & Web Development), Stats 32 (R)

Activities and Societies Leadership: Tridelt Chapter *Director of Administration*, Design for America *Executive Member*, Counterpoint Acapella *Social Chair*, Women in Computer Science, Women in Business, AI team at CS+Social Good

SOFTWARE AND MANAGEMENT EXPERIENCE

NASA (Land Surface Temperature via Satellite and Remote Sensing Technologies Team)

New York

Climate Change Research Initiative Intern

06/2024-08/2024

- Presented research findings at NASA GISS & Headquarters, CUNY CREST Symposium, and Earth and Space Science.
- Collected data via APIs and satellite data to conduct Python spatial analysis on 200+ NASA stations and satellite data.
- Developed a Python Machine Learning model using 10,000+ data samples to predict Ta from LST and remote sensing.
- Coded a web application with GeoTiff (Javascript) and 70+ ArcGIS map analyses with Python statistical techniques.

Lifestages (Align App)

Remote

Product Management Intern

06/2024-08/2024

- Conducted market research and made B2B spreadsheets to identify 100+ Silicon Valley resources for collaborations.
- Analyzed 100+ mental health initiatives and developed wireframes contributing to Align App's user interface design.
- Coded the front end for a mental health awareness website with daily challenges using React on Virtual Studio Code.
- Conducted user researcher through Meta Business Suites, surveys, and user reports from app testing.

Stanford Freeman Spogli Institute for International Studies

In-Person (Stanford University)

Data Analytics Research Assistant

01/2024-06/2024

- Conducted Data Analytics research on health markets and economies under Dr. Karen Eggleston (20+ spreadsheets).
- Created 70+ graphs regarding education statistics based on UNESCO reports to aggregate data using GIS, Excel, & R.
- Prepared 10 maps with GIS by using data on the percentage of private health ownership and education enrollment.

Tutor 4 Yemen

New York

Founder

07/2020 - 12/2023

- Founded a virtual non-profit initiative catered towards helping low-income NYC students & raising money for Yemen.
- Raised over \$1000 for the Yemen crisis from tutoring and garnered over 50 tutors in 20+ subjects.
- Garnered over 500 followers and 10k interactions with our social media content. Coded website in HTML, CSS, & JS.

Technical Projects

Stanford CS Research: Error Detection Augmentation using Proper Noun Detection (Python + Flask) 09/2024-Present

- We are leveraging NER and OpenAI APIs with Python to identify and remember the people, places, and entities most relevant to a user to enhance speech-to-text conversion accuracy for blind/low-vision voice dictation users.
- We created three systems: live transcription (threading), regular speech-to-text-to-speech, and NER feedback system.

Well-being App (React.js & SQL)

10/2024- Present

- Created auth for login, feed component, and add friends feature using a search query to access and fetch data from a personalized Supabase database that was created to access users' authentication with SQL entries (backend).
- Users write how they are feeling and with the Gemini API, they receive AI-generated feedback and well-being tasks.

Spotify Auth App (React.js)

10/2024- Present

- You log in with your Spotify account and access the Spotify API, so users can see their top tracks long-term with an unlimited scroll option. Users can also search for songs in the app to find relevant songs related to search displayed.

SKILLS & INTERESTS

- Technical skills: Python, C++, LaTeX, MATLAB, R, HTML, CSS, JavaScript, React, Redux, GIS, Google Earth Engine