SANIA SINHA

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EDUCATION

- **Michigan State University, Honors College**   September 2021-December 2024
  B. S., Computer Science with minor in Data Science & Math & CMSE [**GPA: 4.0**]

EXPERIENCE

- **Professorial Assistant** under Dr. Parisa Kordjamshidi   September 2021- present
  - ➤ Worked with Natural Language Processing and Machine Learning by annotating datasets using WebAnno with spatial role labelling to extract spatial relations in text
  - ➤ Built conference website using HTML, CSS and JavaScript
  - ➤ Collaborated with art research project on making 3D visualization of word embeddings based on people's descriptions of a comfort object
  - ➤ Leading survey paper on compositional learning
- **President**, AI Club at MSU   January 2022- present
- **Research Assistant**, College of Human Medicine   January 2023- present
- **Lead CS Outreach Mentor,** Women in Engineering   September 2022- present
- **Research Intern,** Indian Institute of Technology, Kharagpur   January-December 2022
- **Calculus Tutor**, CoRe, College of Engineering, MSU   September 2022- May 2023
- **Study Abroad participant** in Paris, CEA and Michigan State University   May - June 2022
- **Tutor (Volunteer)**, Waverly High School   October- December 2021

PROJECTS

- **Hack to Enable 2021 6ᵗʰ position: Cam Braille,** An accessibility themed project of fingertip camera built to help blind people, which can read text and audio-dictate it to a connected audio device *(team project)*
- **Top 5 projects in MSU EGR 100**: **Halloween Mask,** A LED mask built with Arduino and Adafruit Gemma; selected for poster presentation at Michigan State event *(team project)*
- **Next on Netflix**: Led a multi-approach project on recommendation systems *(team project)*
- **Python Projects**: A collection of small, robust and useful python applications
- **Online Yearbook**: An online yearbook application that can accept people's pictures, contact info and yearbook quote and display them in a gallery
- **WebDevKids**: An introduction to Web design & development (for Spartan Girls Who Code)

SKILLS

- **Languages**: Python, Java, JavaScript, HTML, CSS, C++, R, Apps Script, C, Dart, Assembly
- **Tools/Frameworks**: Git, GitHub, Unix, Arduino, Django, Flutter
- **Skills**: Data analysis & Machine Learning (NumPy, Matplotlib, PCA, SVM, Word2Vec, etc)
- **Other Skills**: Project presentation, Content writing, Leadership, Public speaking
- **(Spoken) Languages**: English, Bengali, Hindi (native speaker proficiency in all)

HONORS & AWARDS

- Dean's List Fall 2021, Spring 2022, Fall 2022 & Spring 2023
- Dean's Showcase of Stars 2021 & 2022
- 6th position, Hack to Enable 2021, Hackerearth; Top 10 team, <ION>athon 1.0, Hackerearth
- Cole Excellence Award 2022-23, Honors Excellence Award
- 99.25% (All India Rank 3), Highschool graduation exam (ISC 2021)
- MSU UURAF 2023 First place winner in Digital Humanities