# SANIA SINHA

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*Seeking an opportunity to learn while contributing to the community*

## 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
  - ➢ Working on survey paper on compositional learning
- **Vice President**, AI Club at MSU          January 2022- present
  - ➢ Organize AI workshops and projects, co-chair club meetings, worked on club project
- **Research Intern,** Indian Institute of Technology, Kharagpur          January 2022- present
  - ➢ Developing a Machine Learning model for monitoring RSW defects
  - ➢ Writing a review article on the above
- **CS Outreach Mentor**, Women in Engineering, MSU          September 2022- present
- **Calculus Tutor**, CoRe, Michigan State University          September 2022- present
- **Events Coordinator**, Bengali Students' Association, MSU          July 2022- present
- **Study Abroad participant** in Paris, CEA and Michigan State University    May - June 2022

## PROJECTS

- **Cam Braille**: A fingertip camera built to help blind people, which can read text and audio-dictate it to a connected audio device; for Hack to Enable 2021 *(team project)*
- **Halloween Mask**: A LED mask built with Arduino and Adafruit Gemma; selected as part of top 5 projects for poster presentation at Michigan State University event (*team project*)
- **Next on Netflix**: 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

## SKILLS

- Java, Python, JavaScript, MIT AI2 - Proficient
- NumPy, Matplotlib, pandas, PCA, SVM, other data analysis & machine learning tools
- HTML, CSS, Git, GitHub, Apps Scripts- Proficient
- Arduino, Flutter & Dart, Linux CLI, C++, Django, R- Intermediate proficiency
- MS Office, Project presentation, Content writing, Leadership, Public speaking
- English, Bengali. Hindi (native speaker proficiency in all)

## HONORS & AWARDS

- Dean's List Fall 2021, Dean's Showcase of Stars 2021, Dean's List Spring 2022
- 6th position, Hack to Enable 2021, Hackerearth
- Top 10 team, <ION>athon 1.0, Hackerearth