Curriculum Vitae

Sanchit Ghule

Contact Information
sanchitjghule@gmail.com
+91 73 5863 0557

Online Presence
https://sanchit-ghule.github.io/
https://github.com/sanchit002sanchit002

*

Introduction

I attended IIT Madras as a graduate student in metallurgical and materials engineering (graduated in 2021). Since graduating, I have been involved in assistive technology. Currently, I am working on a project to make STEM-based courses (STEM – Science, Technology, Engineering, and Mathematics) more accessible using audiotactile interactive graphics technology. In my current role, I advocate for exploring these assistive technologies to enhance the learning experience of blind or visually impaired students in STEM fields.

https://joyofgiving.alumni.iitm.ac.in/projects/uncategorised/
technology-solutions-to-support-blind-and-visually-impaired-students-to-excel

If you work with a school, an NGO, or develop assistive technologies for those who are blind or visually impaired, I would welcome the opportunity to collaborate and explore ways we might work together in this field.

Maintaining GitHub projects is something I try to do.

https://github.com/sanchit002sanchit002/

*

Research Interests

Our research aims to create educational environments that are both inclusive and accessible by leveraging cutting-edge technology to bridge the gap in information access, promote social engineering to increase the accessibility of STEM-based courses for the visually impaired, and design innovative interfaces that enhance user experience.

*

Technical Skills

- Frontend
  - Javascript
  - HTML5
  - React
  - Angular
  - WebAudio
- Backend
  - Bash
  - Node.js
  - Python
  - C++ (novice)
- Operating Systems
  - Linux (Arch, Ubuntu)
  - Windows (WSL2)
- Frameworks
  - Git
  - Docker
  - AWS (receptive)