

# Sayandeep Pal

I am currently a sophomore at the Indian Institute of Science Education and Research (IISER) Bhopal, interested to major in the Data Science and Engineering department. Along with my academic pursuits, I have a deep interest in computer vision, Natural Language Processing and Web3.0, and I am also passionate about football, quizzing, movies, music and good food.

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🌐 LinkedIn  
🐙 Github

## EDUCATION

### Indian Institute of Science Education and Research Bhopal

Bhopal, India

Bachelor of Science 2021 – 2025

**South Point High School** Kolkata, India  
AISSCE 2011 – 2021

**South Point School** Kolkata, India  
AISSE 2006-2011

## EXPERIENCE

**Summer Project Intern** Bhopal, India  
Indian Institute of Science Education and Research May-July 2023

- Working on the project **"Early detection of anxiety and depression in clinical interviews using deep learning and Microsoft Kinect"** under the guidance of Dr. Haroon Rashid Lone, Department of EECS in IISER Bhopal in the Systems and Informatics Research Laboratory
- Got the opportunity to work and experience how the interview process of participants are conducted, how the data is collected, pre-processed and features extracted
- Training a CNN for extracting facial expression features from video data and working on pose estimation from Kinect data
- Tech stack: Opencv · Tensorflow · Keras · Python

**Winter Project Intern** Bhopal, India

## SKILLS

🔗 Python · C · Arduino  
TensorFlow · Github · Keras  
Numpy · Pandas · OpenCV  
🗣 English · proficient  
Bengali · native  
Hindi · proficient  
German · beginner

## EXTRA CURRICULAR

### ACTIVITIES

- Peer Counsellor at Institute Counseling Cell IISER Bhopal
- Member of stage production and direction team at AARAMBH, Drama Club of IISER Bhopal
- Completed 4th year in fine arts and received accolades in fine arts from Shree Art Gallery Kolkata

Indian Institute of Science Education and Research Dec-Jan 2022

- Worked on video feature extraction and semantic analysis under the guidance of Dr. Haroon Rashid Lone, Department of EECS in IISER Bhopal, in online mode
- Used Python, Opencv, and pre-trained models in TensorFlow for facial feature extraction
- Extracted audio features using Python libraries
- Tech stack: Opencv· Tensorflow· Jupyter Notebook· Python

### **Lab Intern**

Bhopal, India

Indian Institute of Science Education and Research June-July

- Worked as a lab intern under the guidance of Dr. Mitraddeep Bhattacharya on a sleep monitoring device under the domain of flexible electronics and IoT, Department of EECS, IISER Bhopal
- Got the opportunity of working in a professional research lab for the first time
- Worked with Arduino and sensors
- Tech stack: C· Arduino Uno· TinkerCad

– Part of the school quiz team and had photography too as a co-curricular activity

## **ACHIEVEMENTS**

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**Top 1 percentile in IAT 2021**

**Top 5 percentile in JEE Mains 2021**