

# PIYUSH THAKUR

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## EDUCATION

### Netaji Subhash Engineering College

B-Tech | Electronics and Communication  
2019-2023 | Kolkata, West Bengal  
Current CGPA - 9.09

### New Era Public School

Higher Secondary Schooling  
2016-2018 | Munger, Bihar  
Percentage - 78.2%

### Notre Dame Academy Munger

Schooling  
Till 2016 | Munger Bihar  
CGPA - 10.0

## SKILLS

### Deep Learning | Machine Learning

- TensorFlow, Keras, ScikitLearn, OpenCV
- Google Colaboratory, Weights and Biases, Jupyter Notebook
- pandas, NumPy, Matplotlib and more.

### Web Development

- Node.js, Express.js, React.js, Redux.js, MongoDB, Mongoose.js, Firebase
- HTML, CSS, JavaScript, jQuery, Bootstrap, Reactstrap, Material-UI

**Languages** - Python, JavaScript, C, C++

**Developer Tools** - Git, VS Code

**Platforms** - Arduino, Google Cloud Platform

## EXPERIENCE

### Google Developer Student Clubs | LEAD | NSEC, Kolkata |

July 2019 - Present

[GDSC Lead Community Platform](#) | [Google Developers](#) | [GDSC NSEC website](#)

- Google Developer Student Clubs are university based community groups for students interested in Google developer technologies.

### Weights and Biases | Report Publication

- [Real Time Social Distance Detector](#)
- [Sentiment Analysis with Bag of Tricks](#)

### DeepFusion AI

[GitHub](#)

- Through research, engineering, and initiatives to build the AI ecosystem, at Deep Fusion AI we're working to use AI to address societal challenges.

## PROJECTS

### Real Time Social Distance Detector | Machine Learning

[Google Colaboratory](#) | [GitHub](#) | [wandb](#)

- Built a fast and accurate machine learning model to detect pedestrians.
- If the distance between pedestrians is less than the threshold, they will be marked danger.
- Work in progress - Bring this social detector to work on real-time data with cameras and alarms.

### Image Classification on Browser | Machine Learning, Web Development

[GitHub](#)

- Integrating ML with Web
- Classify images into classes and see the prediction on the browser.

### Face Recognition | Machine Learning

[GitHub](#)

- Recognition of faces using OpenCV and the haarCascade model.

### HungOver | Web Development

[GitHub](#)

- An app designed to fight global hunger by rapidly channeling the surplus food that's wasted in community events to the needy people via local NGOs and other partners.

### Line Tracker | Robotics

[GitHub](#)

- A bot which follows either black or white line.

## AWARDS

**Winter of Code Top Contributor** | Open Source Event | GDSC NSEC, Kolkata | 2020 - 2021

**Finalist** | Avenir NSEC, Kolkata | 2019

## MISCELLANEOUS

### Talks

- [Hands-on Git and GitHub - Day 1](#)
- [Hands-on Git and GitHub - Day 2](#)

### Blogging Website

### Blogs

- [A Tour Of Policy Gradients](#)