




# Amitrakshar Sanyal

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## ABOUT ME

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A Machine Learning Engineer with excellent statistical knowledge and the ability to identify fine points of data in a sea of information. Being well-versed with the concepts of Data Structures and Algorithms gives me the ability to write efficient codes in programming languages like Python, Java, C, C++, JavaScript. Able to process new data quickly and communicate effectively with anybody. Having experience with working in an Agile environment makes me not only an engineer with coding experience but also a customer-centric person making products for people.

## WORK EXPERIENCE

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### Software Engineer Intern

**Mungr** [ 08/11/2021 – 15/12/2021 ]

**City:** Mumbai

**Country:** India

Building a Dashboard from scratch using HTML, CSS, Javascript where teachers getting hired in Ed-Tech companies can test their ability and compare with other teachers globally.

### Mentor

**Script Winter of Code 2.0** [ 02/11/2021 – Current ]

**City:** Remote

**Country:** India

Open Source Mentor for more than 200 students.

Mentoring with the following 2 projects:

1. Blood Buddy: It is a website developed for easy blood donation during COVID-19. The website's concept is that once a person registers, he will be able to view his nearest blood banks & can contact them, and also those who need blood will be able to speak with one another through the website.(<https://github.com/2024-SANDHYA/Blood-Buddy>)

2. Thief Detection: This project helps to detect that whether a person coming to your house is a thief or not, while you are away from your house enjoying your holiday or a trip by sending an alert message and also an attached image of the person in your email address.([https://github.com/neha07kumari/Thief\\_Detection](https://github.com/neha07kumari/Thief_Detection))

## Machine Learning Contributor

*GirlScript Winter of Contributing* [ 01/10/2021 – 10/12/2021 ]

City: Remote

1. Contributed to Open Source Machine Learning repositories.
2. Worked with Maximum Likelihood Estimation problem.
3. Documented lots of code.

## Technical Team Member

*realme* [ 01/01/2021 – 04/05/2021 ]

City: Remote

Country: India

## EDUCATION AND TRAINING

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### Bachelor of Technology

*Institute of Radio Physics and Electronics, University of Calcutta* [ 06/02/2019 – Current ]

Address: (India)

[www.caluniv.ac.in](http://www.caluniv.ac.in)

## TECHNICAL STACK

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### Programming Languages

Python, R, C, C++, JavaScript, HTML(Markup Language), CSS(Style Sheets), Java

### Machine Learning Tools

Numpy, Pandas, Matplotlib, Seaborn, Tensorflow, Pytorch, etc.

### Database

MySQL, MongoDB

### IDEs

Jupyter, Google Colab, IBM Watson Studio, Spyder, VSCode, Codeblocks, IntelliJ, PopSQL

## PROJECTS

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### Machine Learning based Fake News Detection(Natural Language Processing)

[ 01/01/2022 – 01/01/2022 ]

Pulled out a dataset from kaggle.com and used it to detect the legibility of the news. The model I used was Logistic Regression, got accuracy about 91%.

[https://github.com/amitrakshar01/fake\\_news\\_detection](https://github.com/amitrakshar01/fake_news_detection)

### Euphoria- Stream music anywhere

[ 10/12/2021 – 12/12/2021 ]

A static but fully responsive music web app made entirely with pure HTML, CSS, and JavaScript. The web app is made entirely with pure logic and no frameworks used.

<https://github.com/amitrakshar01/Euphoria>

## IoT BASED TEMPERATURE AND HUMIDITY MONITORING SYSTEM FOR HILL STATIONS

[ 04/05/2021 – 04/06/2021 ]

Built a Temperature and Humidity Monitoring System using NodeMCU. Wrote a Conference paper on IEEE where a model was built from the same and used specifically for tea estates and other plantations in the hill stations for accurate monitoring of essential parameters.

## Portfolio Optimization

[ 09/09/2021 – 12/09/2021 ]

Using classical algorithms, specifically Efficient Frontier Method to find out an overall optimized portfolio.

<https://github.com/amitrakshar01/Portfolio-Optimization>

## Mungr Dashboard

[ 01/11/2021 – 15/12/2021 ]

A dashboard made for teachers to get hired by Ed-tech companies. The features:

1. Teachers can give a test to evaluate their readiness for an Ed-Tech company.
2. The dashboard will check the technical specifications of their device because Ed-techs need to know that.
3. The teacher will have a virtual staffroom to showcase their skills.
4. The Ed-techs will have a separate login for hiring them.

This is part of my Internship Project at an early-stage startup called Mungr([mungr.org](https://mungr.org)). The Software team is led by me.

## LANGUAGE SKILLS

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Mother tongue(s): **Bengali**

Other language(s):

### English

**LISTENING C2 READING C2 WRITING C2**

**SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2**

### Hindi

**LISTENING C2 READING C2 WRITING C2**

**SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2**

## HOBBIES AND INTERESTS

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### Cycling

Record of 54kms on single cycling ride 4hrs)

### Professional Photographer

**Writer with one publication(Native language: Bengali)**