# RAJARSHI BANERJEE

rajarshiban13@gmail.com & +91 9903358043 in Linkedin O GitHub 2 Website

#### **EDUCATION**

**University of Calcutta** (2018-2022)

Kolkata, India

B. Tech in Optics and Optoelectronics Engineering

CGPA - **7.81** 

Higher Secondary – Aditya Academy (2015-2017) Kolkata, India

Percentage Scored - 78% (Science)

### **PROJECTS**

Final Year Project (Sept 2021 – June 2022)

Worked on Classification of Retinal Fundus Images for Diabetic Retinopathy using Deep Learning at Indian Statistical Institute Kolkata (ISI Kolkata).

Bachelor's Mini Project (Jan 2021 – Feb 2021) Link

Demonstrated the transmission of data through LASER using two Arduino Nanos as a transmitter and a receiver.

# **Personal Projects**

Sorting Algorithm Visualizer

(github) (demo)

MP3 music player (github)

Discord Bot (demo)

Portfolio Website (github)

Data Structure Library

(github)

Trick or Treat Game (github)

(demo)

GUI, Tkinter, Python

GUI, Python, SQLite3 (database), OOPs

concept, Tkinter

GUI, Python, OOPs concept, Reddit API,

GitHub API, hosted on Heroku

HTML5, CSS3, Javascript, MDBootstrap Python (Implemented linkedlist, trees in

python)

Python, Pygame

# **INTERNSHIPS**

Centre for Development of Advance Computing (C-DAC) (Nov 2021 – Present)

#### **Research Intern**

Worked on controlling mouse functionalities and keyboard shortcuts with hand gestures.

Currently leading a team of four building an application to make air writing possible using tech stack like **OpenCV**, **Mediapipe**, and **Pytorch**.

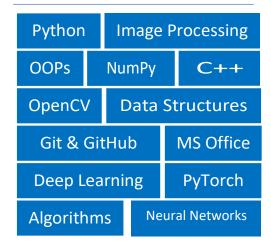
GeeksforGeeks (Sept 2021 – Feb 2022)

**Articles link** 

#### **Technical Content Writer**

Wrote and published various articles on *python*, *image processing*, **OpenCV** and Mathematics.

#### **SKILLS**



# **COURSES AND CERTIFICATES**

Data Structure with Python By Sandeep Jain from *GeeksforGeeks* certificate

Elements of AI from *University of Helsinki* certificate

Computer Vision with Python from *Udemy* certificate

Python Bootcamp 2021 Build 15 Working Applications and Games from *Udemy* certificate

Intro to Deep Learning from Kaggle certificate

Computer Vision from Kaggle certificate

Winter School of Deep Learning from ISI Kolkata <u>certificate</u>

#### **ACHIEVEMENTS**

3 ☆ Coder at Codechef profile

Solved 200+ problems across all coding platforms (codechef, geeksforgeeks, hackerrank)

Participated in **Hacktoberfest 2021** contributed to **open-source** and made 8 valid pull requests