Mainak Pal

mainak.pal08@gmail.com

+91 8777688313

Kolkata

EDUCATION

Bachelor of Engineering (B.E), Electronics and Telecommunication Engineering (ETE) (2017 - 2021)

Jadavpur University
CGPA : 8.88/10

XII (Senior Secondary), Science

Year of Completion: 2017
WEST BENGAL COUNCIL OF HIGHER SECONDARY EDUCATION Board (Mahesh Sri Ramkrishna Ashram Vidyalaya (H.S))
Percentage : 89.40%

X (Secondary)

Year of Completion: 2015
WEST BENGAL BOARD OF SECONDARY EDUCATION Board (Mahesh Sri Ramkrishna Ashram Vidyalaya(H.S))
Percentage : 92.57%

TRAININGS

Imagineer V 3.0

JADAVPUR UNIVERSITY SCIENCE CLUB (Kolkata)
Jan 2018 - Jan 2018
Image Processing Workshop using MATLAB

Ethical Hacking

Indian Cyber Security Solutions (Kolkata)
Nov 2017 - Nov 2017
Workshop on 'Cyber Security ' and 'Ethical Hacking'

RC Trainer Plane Workshop At IIT Kanpur

Boeing National Aeromodeling Workshop IIT Kanpur (Kanpur)

Nov 2017 - Nov 2017

My team "Team Highfliers" was selected from a competition where 400 teams all over the India applied.25 teams got selected.Lectures on working principals of Aeroplane and hands-on experience on making a RC Aeroplane was delivered in the Workshop.

PROJECTS

Perro_gato

Sep 2018 - Oct 2018

https://github.com/mpalrocks/Perro_gato

An image classifier that uses deep learning to detect if it is a "cat" image or a "dog" image.

[Py]Scanner

Sep 2018 - Sep 2018

https://github.com/mpalrocks/pyScanner

A real-time Document Scanner application using OpenCV written in python.

Mosom

Aug 2018 - Aug 2018

https://github.com/mpalrocks/Mosom

A weather forecast app built in PyQt.

Cloud

Jul 2018 - Jul 2018

https://github.com/mpalrocks/Cloud

A nodejs app deployed on Heroku aiming to help beginners finding Open Source projects.

Shoot The Ball

Jun 2018 - Jun 2018

https://mpalrocks.github.io/projects.html

A game developed using Processing and implemented the idea of processing.js. Here is the game below. You have to shoot the ball by tapping on it. Number of balls popped in 30s will be counted.

Approximate-Pi

May 2018 - Jun 2018

https://mpalrocks.github.io/projects.html

Approximating the value of pi using Processing.

Identifying and Categorizing Offensive Language in Social Media

Sep 2018 - Present

Sentiment analysis on a set of tweets . Explored multiprocessing and different techniques of machine learning and deep learning (CNN-word2vec , attention based Bi - RNN with LSTM).
Under guidance of Dr. Sudip Kumar Naskar

Real-time 2D plot of Azimuth Plane using Ultrasonic Wave Sensor (HC SR04)

Jun 2018 - Present

https://mpalrocks.github.io/projects.html

Objective:- Deploying a 2D space scanner using Ultrasonic Wave Sensor in Arduino Ide and plotting output vs. Azimuth angular positions using Processing.
Future Aspects:- In the area of 3D reconstruction,latency improvement and computer vision.

SKILLS

C Programming	Arduino
Intermediate	Beginner

Python	JavaScript
Intermediate	Beginner

HTML	CSS
Intermediate	Beginner

Django	Node.js
Beginner	Beginner

WORK SAMPLES

GitHub Profile:

https://github.com/mpalrocks

Blog Link:

https://mpalrocks.github.io/

ADDITIONAL DETAILS

- WBJEE 2017 General Merit Rank: 250