Subhrajeet Roy

subhrajeetjpg@gmail.com | 7407665383

EDUCATION

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY KALYANI
B.Tech in Computer Science and Engineering
2017-Present | GPA:7.6

JALPAIGURI ZILLA SCHOOL
12th Science | Percentage-79
2014-2016 | Jalpaiguri

DEBIJHORA HIGH SCHOOL(H.S.)
10th | Percentage-84.27
2008-2014 | Jalpaiguri

LINKS

Github:// **github@subhrajeet**
LinkedIn:// **linkedin@subhrajeet**
Kaggle:// **kaggle@subhrajeet**
Codechef:// **Codechef@subhrajeet**

COURSEWORK

WEBTEK LAB PVT. LTD.
Machine Learning in Python
LINK:// **Certificate**

COURSERA
Neural Networks and Deep Learning
LINK:// **Certificate**

UNDERGRADUATE
Data Structures and Algorithms
Operating Systems
Compiler Design
Database Management System
Machine Learning
Object Oriented Programming
Artificial Intelligence
Probability and Statistics
Discrete Mathematics

SKILLS

PROGRAMMING
PYTHON • C• C++• JAVA

JAVA FRAMEWORK
JDK

WEB TECHNOLOGIES
Flask•HTML• CSS• JavaScript

TOOLS

Linux• Tensorflow• Keras•Matplotlib•Scipy•Numpy

OTHERS

MySQL•Shell Script

INTEREST

Machine Learning • Deep Learning
Data Science • Software Development • Competitive Programming
Problem solving •

STATEMENT

Enthusiastic Learner.Currently learning to develop accurate and fast machine learning models, and looking for roles in the intersection of data science and deep learning technologies.

EXPERIENCE

SWAN LAB (IIT KHARAGPUR) | Intern
Dec 2019 - Jan 2020 | IIT Kharagpur

Patient Health Monitoring System

LINK:// **Get the code here**

Worked on the model for building Patient Health Monitoring System which measures the Criticality Index of a Person in Ambulance by various parameters like Blood Pressure,Heart Rate,Blood Oxygen Level,Body Temperature and ECG(Person can see the Real Time graph of the parameters).It can automatically ping the Ambulance driver whenever the Patient will critical and Ambulance driver will get the nearby hospital list and Locations. The doctor can see the condition of the Patient from the Hospital also.

WEBTEK LAB PVT. LTD. | summer trainee
May 2019 - June 2019 | Kolkata

detection of malaria from cell images

LINK:// **Get the code here**

Successfully completed Machine Learning with Python course with the project work on Malaria.By appyling Deep Learning Techniques on the Malaria Dataset collected from Kaggle,predict the cell images which are infected by the malaria parasite with an accuracy of 96

PROJECTS

HOME AUTOMOTION IN AUGMENTED REALITY
LINK:// Get the code here

Automate the electronic home appliences using the Augmented Reality.It's a web API that works purely on web platforms.Switch on or off the electronic appliences by just moving the camera towards the appliences.

CHENNAI WATER MANAGEMENT
LINK:// Get the code here

Visualization of rainfall in various cities of chennai for a particular time.

PAYMENT WALLET SYSTEM BY JAVA GUI
LINK:// Get the code here

A GUI based Payment wallet system with the compatibility of send and recieve money from any user.Created using Java Swing methods.

YOGA AND MEDITATION IN VIRTUAL REALITY
LINK:// Get the code here

This project was a result of a long term research and deep investigation on how yoga effects the body and how mind work to make people do something. Yoga.apk is a Virtual reality app that's created using sophisticated technology like unity3D and blender. This was made at Smart India Hackathon.

INDOOR NAVIGATION IN AUGMENTED REALITY
LINK:// Get the code here

Large no. of supermarkets have huge no. of products and it becomes a tiring and time taking job for the customer to search for a particular product as he/she has to search all the section to find it.To overcome the issue we have created an AR(Augmented Reality) application which will navigate the user to there product/destination by following 3D object path.

ACTIVITIES

Cricket
Football
Athletics
Carrom
Active on programming sites -CodeChef, HackerRank,Codeforces,Interviewbit

ACHIEVEMENTS

Winner in District Level Quiz Competetion Organized By Nehru Yuva Kendra
Winner in School Level Quiz Competetion in block Level
Runner up in School Level Yuva Parliament in block Level
Winner in District Level Drawing Competetion Organized By Nehru Yuva Kendra
Participated in Relience Cup Football
Participated in Spardha,IIT BHU
Participated in Utlkal Hacks 2.0