Sayan Mukherjee

Software Developer

A robust programmer and a researcher with reliable coding skills and have a matured view of Commercial> Technical> Projectile cycles. Motivated and very fast (self) learning capabilities. Team player with exceptional communication skills, dynamic & analytic.

Sodepur, Kolkata, India

twitter.com/SAYANMU32762012

08240027252

- in linkedin.com/in/sayan-mukherjee-7845421a7
- github.com/sayan9112

EDUCATION

Bachelor of Technology in Computer Science and Engineering

University of Engineering and Management Kolkata

06/2019 - 06/2023

Courses

GPA- 8.75

WORK EXPERIENCE

Research Project Intern

University of Engineering and Management Kolkata

03/2021 - Present

under the guidance of Prof. Dr. Sudipta Basu Pal

Achievements/Tasks

- Automatic Realtime Webcam based Heart Rate Monitoring System
- Iris Recognition

Research Project Intern

University of Engineering and Kolkata

03/2020 - 2009

Under the guidance of Prof. Dr. Subhalaxmi Chakroborty.
Achievements/Tasks

Laser Security System

Project Intern (Surveillance Drone)

Univeristy of Engineering and Management Kolkata

2019 - 2021

making a surveillance drone under the guidance of <u>Prof. Barun</u> Kumbhakar

Web Developer

SCIENOVELX Education & Technology Solutions Pvt. Ltd. ♂

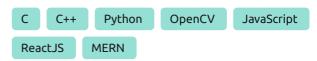
08/2020 - 03/2021

ORGANIZATIONS

GIRLSCRIPT SUMMER OF CODE'21 (03/2020 - 06/2021)

Started my open source journey in this event. Contributed under <u>FaceX</u> project

SKILLS



RESEARCH PROJECTS

Automatic Realtime Webcam based Heart Rate Monitoring System (09/2021 - Present)

☑ ✓

 A python code that detects the heart-rate of an individual using a common webcam or network IP camera. This application uses OpenCV to find the location of the user's face, then isolate the forehead region. Data is collected from this location over time to estimate the user's heart rate. This is done by measuring average optical intensity in the forehead location.

Iris Detection (03/2021 - Present) 🗗

 An approach of ID detection through Iris. There are seven layers of workflow in this system- LOCALIZATION> NORMALIZATION> ENHANCEMENT> EXTRACTION> MATCHING> EVALUATION> RECOGNITION.

CERTIFICATES

Tensorflow serving Docker model for Deployment ✓

Build a Machine Learning app with Sreamlit and Python

Machine Learning with H2O Flow

Elements of AI

Convolution for Text Classification with Keras 🗹

Unsupervised Machine Learning for Customer Market Segmentation ☑

LANGUAGES

English

Bengali

Native or Bilingual Proficiency Native or Bilingual Proficiency

Hindi

Full Professional Proficiency

INTERESTS

Machine Learning

Deep Learning