Sayan Mukherjee

Software Developer

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

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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 Prof. Barun 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 FaceX project

SKILLS

C | C++ | Python | OpenCV | JavaScript | ReactJS | MERN

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
Native or Bilingual Proficiency

Bengali
Native or Bilingual Proficiency

Hindi
Full Professional Proficiency

INTERESTS

Machine Learning | Deep Learning