Souvik Roy

B.Tech in Computer Science and Enginnering

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CERTIFICATIONS

Programming for Everybody (Getting Started with Python)
Coursera

Ethics, Technology and Engineering
Coursera

SOFT SKILLS

Leadership   Teamwork

Decision Making

Problem Solving

LANGUAGES

English
Bilingual Proficiency

Hindi
Native Proficiency

Bengali
Native Proficiency

HOBBIES

Football   Writing

E Sports

POSITION OF RESPONSIBILITY

Final Year Project   (2023)
Team Lead
Worked on and led the final year project based on Data analysis and ML

EDUCATION

Techno International Newtown   (2020 - 2024)
B.Tech, Computer Science Engineering   8.78

Operating Systems   Computer Networks   Database Management

Data Structure and algorithms   Machine Learning

Object Oriented Programming

St Joseph Convent High School   75%
CBSE, AISSCE

Guru Teg Bahadur Public School   80%
CBSE, AISSE

TECHNICAL SKILLS

Languages

Python   C++   Javascript

Databases

PostgreSQL   Oracle   MySQL

Front End

HTML   CSS   Bootstrap

Document Object Model

jquery

ML Libraries

Numpy   Pandas

Sci-Kit Learn   Matplotlib

Tools

MS Excel   PowerBI   Apache

git

Web Framework

Django   PHP

PROJECTS

Face Mask Detector   (2022)
Created a ML program to detect face mask

Technology Used : OpenCV, Pytorch, Tensorflow
Face mask detection is a computer vision task that involves identifying whether a person is wearing a face mask or not.
It is useful for monitoring people in required places that people are abiding the rules or not.

Water Quality Detection using ML   (2023 - Present)
Created a ML program to evaluate the water quality with help of various inputs.

Technologies Used : Sci-kit Learn , Matplotlib , pandas ,numpy
Its a ML program to analyse the water quality with the help of certain values. It can provide accurate results whether the water is safe for drinking purpose or not.
Used decision tree classifier to check the accuracy and applied Gridsearch for hyper parameter tuning.