

RUDRANEEL DEY

CS UNDERGRADUATE

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LANGUAGES

English Proficient ●●●●●

Bengali Native ●●●●●

Hindi Advanced ●●●●●

SKILLS

Technical Skills

JAVA Python C Oracle

HTML/CSS SQL

Computer Science

Data Structures and algorithms

Object-oriented Programming

Database Management System

Computer Networks

Machine Learning

Deep Learning

Professional Skills

Communication Team Work

leadership

VOLUNTEERING

Club Member

Xplorica

2022 - 2023

Core-Committee of the techno-management club of FIEM

Organized technical fest named Phoenix

EDUCATION

Computer Science and Engineering

Future Institute of Engineering and Management

2020 - Present

12th Standard

Jodhpur Boys High School

2018 - 2020

10th Standard

Nava Nalanda high school

2006 - 2018

PROJECTS

Drowsiness Detection and Heart rate detection

2023 - 2023 Kolkata

Detects drowsiness and also detects heart rate using IoT

- Implemented InceptionNETV3, Dlib, CMake, OpenCV and build a custom model to detect facial structure and drowsiness through mouth aspect ratio and eye aspect ratio using Euclidian distance
- Used IoT(Arduino UNO) and pulse sensor to detect heartbeat to monitor and keep track of heart-rate

Automatic Number Plate Detection

2023 - 2023 Kolkata

detects number plate of cars in a video clip

- Used YOLOv8n, Keras, OpenCV to detect the number plate of a car

Email Spam Detection

2022 - 2022 Kolkata

Classifies Emails into spam and Ham

- Email spam detection using Python {NumPy and Pandas}
- Ensured accuracy and authenticity of all recorded information
- Worked in coordination with a team gained experience regarding teamwork

Autonomous Line Follower Bot

2020 - 2020 Kolkata

Created an autonomous Line Follower Bot

- used Arduino UNO and IR sensor to successfully detect black line on a flat surface

ACHIEVEMENTS



Exhibit'21

Bagged a 2nd prize in the Exhibit'21