

Amlan Dutta
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EDUCATION

- Bachelor of Technology in Computer Science and Engineering** 2020-24
Techno International, Newtown, Kolkata CGPA: 8.59
- Higher Secondary from WBCHSE (12th)** 2018-20
Union Institution School Percentage: 77
- Secondary from WBSE (10th)** 2008-2018
Vivekananda English Academy School Percentage: 65

PROJECTS

-FACE RECOGNITION THROUGH LANDMARKS TO FIND ACCURATE DISTANCE BETWEEN TWO LANDMARKS USING PYTHAGOREAN ALGORITHM

A Prototype Model for checking the feasibility of target.

- This was an approach to reduce the number of computations in facial recognition by calculating the distance between the anatomically stable landmarks among 468 landmarks.
- Technology Used: Python, Mediapipe framework, OpenCV Library, Haarcascade Frontal Face Detector, some other pre-trained models.

-GitHub Link- [HTTPS://GITHUB.COM/AMLANDUTTA137/FACE-RECOGNITION-SYSTEM-TO-FIND-DISTANCE-BETWEEN-TWO-LANDMARKS-BY-PYTHAGOREAN-THEOREM](https://github.com/AMLANDUTTA137/FACE-RECOGNITION-SYSTEM-TO-FIND-DISTANCE-BETWEEN-TWO-LANDMARKS-BY-PYTHAGOREAN-THEOREM)

-HUMIDITY AND TEMPERATURE MONITORING AND AIR QUALITY DETECTION USING MICROCONTROLLER BOARD WITH THE IOT

A hardware model for monitoring humidity, temperature and air quality detection.

- This project involves monitoring humidity and temperature as well as detecting air quality using a microcontroller board with the IOT capabilities within a closed space.
- Languages used – Html, Css, Javascript
- Libraries Used- Gauge, Appex
- GitHub Link- <https://github.com/amlandutta137/HUMIDITY-AND-TEMPERATURE-MONITORING-AIR-QUALITY-DETECTION-USING-MICROCONTROLLER-BOARD-WITH-THE-IOT>

-AUTOMATED ATTENDANCE SYSTEM USING FACE RECOGNITION

A Software model that leverages facial recognition technology to efficiently and accurately track and record attendance.

- Programming Languages Used: Open cv, Python, NumPy
- GitHub Link- <https://github.com/amlandutta137/Attendance-Based-system->

-PORTFOLIO WEBSITE

- Languages Used- Html, Css
- GitHub Link-<https://github.com/amlandutta137/PORTFOLIO>

-DIGITAL CALCULATOR

- Languages Used- Html, Css, Javascript
- GitHub Link- <https://github.com/amlandutta137/CALCULATOR>

PUBLICATIONS

-Face Recognition through Landmarks finding Accurate Distance Between Landmarks using Pythagorean Algorithm

ICCCNT, – DOI - 10.1109/ICCCNT56998.2023.10307052.

- <https://ieeexplore.ieee.org/document/10307052>

SKILLS

Languages: C (Basic), Java (Object Oriented), Html, Css, Javascript.

Databases: Relational Database (MySQL)

Relevant Coursework: Operating Systems (Basics), Object Oriented Programming, Database Management System, Software Engineering. Microsoft Office

Soft Skills: Problem Solving, Self-learning, Patience, Adaptability, Team Player, Management Skill, Presentation skill

ACHIEVEMENTS

- Participate in National Hackathon KAVACH (2023)
- One month Web Development Intership at Codsoft.