# BIKRAM SOREN

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## ABOUT ME

Reliable 4th Year Apprentice with hands-on experience in various industries. Contributed to improving workplace efficiency and productivity through active participation and eagerness to learn new skills. Highly adept at learning quickly, applying knowledge effectively, and meeting high performance standards. Hardworking with customer service, multitasking, and time management abilities. Devoted to giving every customer a positive and memorable experience.

## EDUCATION

**KALYANI GOVERNMENT ENGINEERING COLLEGE**
B. Tech in Information Technology
2022-2026

**UNION ACADEMY, KALCHINI (H.S.)**
Intermediate
2020-2022

**UNION ACADEMY, KALCHINI (H.S.)**
Matriculation
2013-2020

## SKILL

- Programming languages
  - C, Python, Java Script, SQL, HTML, Java
- IoT Based Skills
  - Machine learning, Arduino, Raspberry, ESP, Xilinx, Proteus, Sensors, IC

## ACHIEVEMENT

**WORLD RECORD**
ACHIEVED ON 27 JULY 2022

FASTEST TIME TO SOLVE MIRROR RUBIK'S CUBE BLINDFOLDED USING ONE HAND

## WORK EXPERIENCE

**National Institute of Biomedical Genomics** — Feb 2025 - Present
**Junior Researcher**

Developed a functional prototype for cancer detection using data-driven techniques. Currently working on developing the prototype using IoT and Machine Learning to build intelligent and real-time responsive system.

**ImageIDGP Research Lab** — Jan 2025 - Present
**Full Stack Web Developer and IoT Developer**

Currently working on multiple real-time IoT projects focused on smart systems and automation, while having successfully completed several full-stack web applications tailored to specific requirements. Actively involved in mentoring juniors, guiding them through IoT development and hands-on implementation of various projects.

**NSS Unit-KGEC** — July 2024 - June 2026
**NSS Lead** — July 2024 - June 2025
**NSS Coordinator** — June 2025 - June 2026

Serving as the Lead of Volunteers in the NSS unit, responsible for coordinating and guiding team members in various social service activities. Actively organizing and managing community outreach programs, ensuring effective participation and impact through leadership and teamwork.

## PROJECTS

- **Web Development Based**
  - **Cattlelytix**
  - **Interactive Analog Clock Application** that dynamically changes its background according to the time of day and displays relevant greetings.
  - **PDF Summarizer** using NLP to read the key points of PDF documents
- **IoT Based**
  - **Cancer Detection Device**
  - **Love Lamp** with multiple customizable lighting modes controllable via laptop or mobile device, offering both functionality and aesthetic personalization.
  - **Unknown Face Detection** for Home Security, system capable of detecting and alerting the presence of unknown individuals using facial recognition, enhancing safety through real-time surveillance.
  - **Auto Lamp Using Distance Threshol**d, automated lighting system that activates based on proximity sensing, improving energy efficiency and user convenience through intelligent control.