

Sougata Sarkar

Bachelor of Technology

Computer Science & Engineering
at JIS College of Engineering, Kalyani
CGPA: 8.69 till 3rd Sem

Education

2023-2027

B.TECH - CSE

JIS College of Engineering, Kalyani
CGPA : 8.69

2021-2022

INTERMEDIATE

Kalyani Central Model School, Kalyani
Percentage: 66%

2020-2021

MATRICULATION

Oriental Public School, Kalyani
Percentage: 72%

Links

Github:// [SOUGATA2205](#)

LinkedIn:// [sougata22](#)

Skills

OS:

GNU/Linux, Windows

PROGRAMMING:

C/C++, Python,
Html, CSS, Java Script

SOFTWARE & TOOLS:

Jupyter Note Book, Git,
Git Hub, Android Studio,

HARDWARE:

Ardunio nano, Esp32

FRAMEWORK/LIBRARY:

React js, Vite, Next js, Flask

DATABASES:

SQLite, MongoDB

OTHERS:

MS Exel, MS Word,
MS Power Point, CANVA

Relevant Courses

Data Structures & Algorithm
C Programing
Operating Systems
Computer Network

JISCE Kalyani, West Bengal
Kalyani, West Bengal-741235, India
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Project

2025 Automated Breast Cancer Predictor

[github.com](#)

Developed a machine learning-based software to predict whether a breast cancer case is Benign or Malignant using clinical data. Implemented advanced data visualization for improved interpretability. Enabled one-click PDF report generation and integrated email functionality to send reports directly to patients.

*Frontend: HTML, CSS, JavaScript, Backend: Flask (Python),
Database: SQLite, Machine Learning: Scikit-learn*

2025 MediLink

[github.com](#)

MediLink is an integrated healthcare management system that streamlines patient-doctor interactions, tracks medical records, monitors real-time vital signs, and ensures emergency responsiveness — all secured with robust authentication. Built using *Built using React.js, Node.js, Express, MongoDB, and Socket.io for real-time updates.*

2025 Sand Rover Robot

[github.com](#)

A remote-controlled off-road robot built to traverse sandy and uneven terrains. Designed for exploration, surveillance, and terrain testing, it can be used in environments where traditional wheeled robots struggle to operate. Ideal for research, rescue missions, or outdoor robotics challenges.

Built using ESP32 Dev Kit, L298N Motor Driver, 100 RPM motors, 12V LiPo battery, and C/C++ for microcontroller programming.

2024 Line-Following Robot

[github.com](#)

An autonomous robot designed to follow a predefined path using PID control. Equipped with IR sensors, the robot can detect and follow black lines. It intelligently adjusts its movement based on the PID control algorithm to ensure smooth and accurate navigation.

Built using Arduino-Nano, 8x-IR sensors, L298N Motor Driver, and C/C++ for microcontroller programming.

Achievements

2025 JIS TECH 2K25

2nd Runner Up

Developed an Automated Breast Cancer Predictor, a software application capable of analyzing patient data to predict whether the condition is Benign or Malignant. Secured the 2nd Runner-up position among numerous innovative entries.

2025 Innovocon HackNex

Participated

In this hackathon me and my team developed a Website FINGENIE: Automated Finnce Management System.

2024 WISSENAIRE 2K24 - IIT BBS(Workshop)

Participated

Participated in hands-on training on modern web technologies and UI design.