

# PRIYANKORI SAHA



B.Tech – Electronics And Communication Engineering

Roll number: 23EC8055

Gender: Female

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## Educational Qualification

- **Graduation**

SEM	1	2	3	4	5	6	7	8
SGPA	8.22	8.60	7.36	7.20	-	-	-	-
CGPA	8.22	8.40	8.01	7.80	-	-	-	-

- **Higher Secondary & Secondary**

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2023	Class XII	DAV MODEL SCHOOL / CBSE	94.2%
2021	Class X	DAV MODEL SCHOOL / CBSE	97%

## Academic Achievements

- Qualified for National Level of Smart India Hackathon(SIH): Worked on the Problem Statement - "**Wearable sensor with Artificial Intelligence for Prevention of falls in elderly people**" under the domain "**MEdTech/BioTech/HealthTech**".

## Skills Summary

- **Technical Skills:**

- **Languages:** C, C++, Python, Javascript , Data Structure And Algorithm, MATLAB.
- **Libraries and Tools:** HTML , CSS , React.js , Node.js, Express.js, MongoDB, GitHub , Arduino IDE.
- **Hardware Tools:** Arduino UNO, NodeMCU , Sensors,Modules .

- **Non-Technical Skills:** Leadership, Teamwork, Time Management, Event Management.

## Projects

1. **Expense Tracker (Full Stack Web Application):**

[\[ GITHUB LINK \]](#)

Built and deployed a full-stack expense tracker application enabling users to securely record,

categorize, and analyze income and expenses. Implemented a Node.js/Express backend with MongoDB for persistent data storage and real-time transaction management. Designed a responsive frontend to display balance, income, and expenditure insights with seamless API integration.

- **Tools and Languages:** React.js, Node.js, Express.js, MongoDB.

## 2. PortFolio :

[\[ GITHUB LINK \]](#)

Designed and developed a responsive, animated personal portfolio website to showcase projects, skills, and achievements. Implemented modern UI/UX practices with smooth animations for an engaging user experience. Built using HTML, CSS, JavaScript, and React and deployed for easy accessibility.

- **Tools and Languages:** HTML , Tailwind CSS , Javascript , React.js , Vite , AOS (Animate on Scroll).

## 3. Development of an Autonomous & Manual Robotics System:

Developed a multi-mode bot featuring obstacle avoidance and line following, enabling both autonomous navigation and manual operation.

- **Technologies used:** Nodemcu ESP8266 , Ultrasonic sensor(HC-SR04) , IR sensors , Motor Driver(L298N) , DC Motors , inbuilt Gyroscope in our phones for gesture control mode.
- **Features:** Obstacle avoidance , line following capability , wireless control , cost effective , simple to operate and beginner friendly , smooth and responsive movement.

## Positions of Responsibility

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### 1. Senior Member @ Robocell, Centre for Cognitive Activities, NIT Durgapur

Mar / 2024 - Present

- Working as a member in Robocell, Centre for Cognitive Activities which is the largest club of NIT DURGAPUR..
- Conducted hands-on robotics workshops, guiding over 250 participants in building and programming both autonomous and manual bots.
- Spearheaded the Second largest Technical Event of Eastern India AAROHAN .

### 2. Senior Web Developer @ ECESS (Electronics and Communication Engineering Students' Society), NIT Durgapur

September / 2024 - Present

- Contributed to the departmental society's website development.
- supported the execution of various technical events organized by the society.

## Extracurricular Activities

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- Learnt Painting and Completed 6<sup>th</sup> Year Painting with First Class Distinction from Mission Art School.
- Part of Atal Tinkering Lab of my school and build Small science and Tech Projects.
- Assisted in organizing several cultural events and competitions.
- Active member of the School Choir for over 5 years and performed various Functions And Competitions .