PRIYANKORI SAHA

B.Tech – **Electronics And Communication Engineering**
Roll number: **23EC8055**
Gender: **Female**
Date of Birth: **27/10/2005**

Category: **SC**

E-mail: priyankorisaha1978@gmail.com

Contact: **7384351667**

Address: **Thana Road, P.O Andal, Paschim Bardhaman, 713321.**

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 , GitHub , Arduino IDE.
• **Hardware Tools:**   Arduino UNO, NodeMCU , Sensors .

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

Projects

1. **Development of an Automatic Plant Watering System:-**

   Designed and built a smart irrigation system that monitors soil moisture and autonomously

waters plants, optimizing water usage for efficiency.

➢ **Technologies used:** Arduino Uno , soil moisture sensor , relay module, lcd display.

➢ **Features:** Energy Efficient , Water Usage optimization , Self Regulating System , Cost Effective.

2. **Development of an Autonomous & Manual Robotics System:**
   Developed a multi-mode bot featuring obstacle avoidance, gesture control, 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 , gesture control , line following capability , wireless control , cost effective , simple to operate and beginner friendly , smooth and responsive movement.

3. **Website Hero Section Development :** **[GITHUB LINK]**
   Created an engaging and responsive hero section for a website, ensuring a visually appealing And user – friendly interface.

➢ **Tools and Languages:** HTML , CSS , Javascript.

4. **Weather App :** **[GITHUB LINK]**
   Built a dynamic weather application that fetches real-time weather data using APIs, providing users with accurate forecasts and location-based updates.

➢ **Tools and Languages:** HTML , CSS , Javascript.
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## Positions of Responsibility

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

➢ Learnt Painting and Completed 6th 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 .