

# KOUSHANI BHOWMIK

Barasat, West Bengal, Kol-700125

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

AI-ML Student | Frontend Developer



## About Me

A motivated and diligent third-year Computer Science and Engineering student specializing in Artificial Intelligence and Machine Learning, seeking an internship or entry-level position to leverage my skills and contribute to innovative projects.

## Education

7.93/10	B.Tech in Computer Science and Engineering with Artificial Intelligence and Machine Learning Bengal Institute of Technology, 2022 – 2026
84.6%	XII Barasat Girls High School, 2020 – 2022
89.0%	X Ramakrishna Vivekananda Mission, Barrackpore, 2010 – 2020

## Technical Skills

Programming Languages	<b>Java, C, Python, HTML, CSS, JavaScript, DSA</b>
Frameworks	<b>Tailwind CSS</b>
Technologies	<b>Git, GitHub, VS Code, Canva</b>

## Soft Skills

- Team Collaboration
- Time Management
- Problem-Solving
- Remote Work Proficiency

## Projects

- **Portfolio** (December 2022) [GitHub](#)  
*Personal Portfolio Website*
  - A personal portfolio showcasing details about my projects, skills and achievements.
  - Tech Stack: HTML, CSS
- **Gesture Vocalizer** (June 2023 – July 2023) [GitHub](#)  
*Hardware-based Project*
  - Developed a system that recognizes and interprets sign language gestures captured by gloves.
  - Provides real-time translation of gestures into both spoken and written language.
  - Tech Stack: Arduino Uno, Flex sensor, HC05
- **Climate Prediction System** (August 2024) [GitHub](#)  
*Hardware-based Project using Raspberry Pi 4*
  - Built a system that forecasts weather conditions up to 2 days in advance.
  - Monitors parameters such as temperature, humidity, light intensity, and rainfall.
  - Provides real-time data and displays weather forecasts on an LCD.
  - Tech Stack: Raspberry Pi 4, Sensors (DHT11, LDR, Rain), LCD Display
- **Online Learning System** (August 2024) [GitHub](#)  
*Software-based Project*
  - Created an online platform offering free skill courses with structured roadmaps from beginner to advanced levels.
  - Integrates projects and contests for skill practice and improvement.
  - Curates video resources, assignments, and materials to ensure comprehensive learning.
  - Tech Stack: HTML, CSS, JavaScript, Flask, SQLite
- **Aqua pH Monitor** (August 2024) [GitHub](#)  
*IoT-based Hardware Project*
  - Designed a cost-effective device for monitoring the pH levels of liquid solutions.
  - Provides real-time pH monitoring for industries, homes, aquariums, and swimming pools.
  - Tech Stack: Arduino Uno, pH Sensor

## Coding Profiles

[HackerRank](#) : **5 stars** in Java | **5 stars** in Python | **4 stars** in C  
[GeeksForGeeks](#) : Max Streak: **203** | College Rank: **16** | Problems Solved: **500+**  
[Coding Ninjas](#) : College Rank: **1** | Problems Solved: **150+**

## Achievements

**2023**: 1st Place - College-wide Hardware Project Competition (20 teams, 1st year)  
**2023**: 1st Place - College-wide Drone Competition (10 teams, 1st year)  
**2024**: 3rd Place - College-wide Hardware Project Competition (20 teams, 2nd year)  
**2024**: 2nd Place - Internal SIH 2024 (100 teams, 3rd year)