

# KOUSHANI BHOWMIK

Barasat, West Bengal, 700125

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

CSE (AI & ML) Student | Frontend Developer



## SUMMARY

Third-year Computer Science and Engineering student specializing in AI & ML, with hands-on experience in frontend development, hardware integration and machine learning. Seeking internship, entry-level opportunities to contribute to impactful projects.

## EDUCATION

8.13/10	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: **Python, Java, C, HTML, CSS, JavaScript, MySQL**

Technologies: **Git, GitHub, VS Code, Canva**

## SOFT SKILLS

- Team Leadership
- 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, JS
- **Gesture Vocalizer** (June 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, HC-05
- **Online Learning System** (August 2024) [GitHub](#)  
*Web Development-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
- **Fake News Detection** (May 2025) [GitHub](#)  
*Machine Learning/NLP Project*
  - Developed a fake news classifier to distinguish between real and fake news articles using text analysis.
  - Performed data preprocessing, tokenization, and vectorization using TF-IDF.
  - Trained and evaluated ML models achieving high accuracy.
  - Deployed a user-friendly interface with Streamlit for real-time article classification.
  - **Tech Stack:** Python, Scikit-learn, Pandas, NumPy, NLP, TF-IDF, Streamlit, CSS

## CODING PROFILES

**Coding Ninjas** : College Rank: **1** | Problems Solved: **300+**

**GeeksForGeeks**: Max Streak: **239** | College Rank: **13** | Problems Solved: **600+**

**HackerRank**: **5 stars** in **Python** | **5 stars** in **Java** | **4 stars** in **C** | **4 stars** in **SQL**

## ACHIEVEMENTS

**2023**: 1st Place - College-wide Hardware Project Competition (20 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)

## CERTIFICATES

**Python Certificate** – HackerRank (2023)

**Java Certificate** – Coding Ninjas (2024)

**OOPs in Java Certificate** – Coding Ninjas (2024)

**SQL(Advance) Certificate** – HackerRank (2025)