

# SOHINI BANERJEE

UNDERGRADUATE ENGINEERING STUDENT



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Kolkata, West Bengal, India

## PROFESSIONAL OVERVIEW

Undergraduate engineering student with a strong foundation in software development and machine learning concepts, complemented by hands-on experience through academic and personal projects. Proficient in designing, implementing, and testing scalable code while adapting to evolving technical requirements. Demonstrates strong analytical thinking, collaboration, and problem-solving skills, with a keen interest in applying machine learning techniques and modern software tools to solve real-world challenges and contribute to data-driven decision-making.

## PROJECTS

- ML-based Intrusion Detection System (NIDS)  
Implemented machine learning and deep learning models to detect network attacks using the CIC-IDS dataset. Focused on clustering, classification, and attack prediction.
- Learn Buddy  
AI-driven adaptive learning platform providing personalized education for children. Features include gamified learning, accessibility-first design, and NLP-powered evaluation.
- Weather App
- Web application fetching real-time city-wise weather information using the OpenWeatherMap API, built with modern frontend technologies.

## LANGUAGES

English



Proficient

Hindi



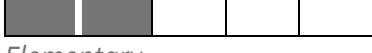
Proficient

Bengali



Proficient

Japanese



Elementary

## EDUCATION

### Bachelor of Technology

Vellore Institute of Technology

2024 – Present

- 8.59 CGPA
- Member of Linux Club, 2024 to Present
- Member of SEDS Antariksh Club, 2024 to Present
- Member of Open Source Programming Club, 2025 to Present
- Program Representative, CSE(AIML), 2024 to Present

### High School Diploma

Delhi Public School, South Kolkata

2022 – 2024

- 91.2%

## CONTACT

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LinkedIn

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Github

<https://github.com/sosush>

## SKILLS

- Python
- Java
- Machine learning
- C/C++
- HTML-CSS
- Javascript
- TypeScript
- React
- Front-end development