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.

CONTACT

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Email
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LinkedIn
https://www.linkedin.com/in/sohini-banerjee-12882731b/
Github
https://github.com/weirdsosush

LANGUAGES

English
Proficient
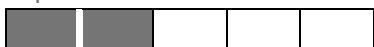
Hindi
Proficient

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%

SKILLS

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