# SOHINI BANERJEE

## Full-Stack Developer | AIML Engineer

## PROFILE

Aspiring software developer with experience in full-stack development and machine learning fundamentals. Skilled in languages such as Python, JavaScript, and C++, with a keen interest in creating scalable systems and exploring AI-driven solutions for cybersecurity and automation.

## CONTACT

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GITHUB:
https://github.com/sosush

## EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY
BTech in Computer Science and Engineering (AI ML)
Scored: 8.59 cgpa

DELHI PUBLIC SCHOOL
Passed High School Diploma
Scored: 91.2%

## TECHNICAL SKILLS

**Programming Languages:**
Python, JavaScript (ES6+), C++, Java

**Frameworks & Libraries:**
React.js, Node.js, Express.js, Flask

**Web Technologies:**
HTML5, CSS3, REST APIs, JSON, AJAX

**Database Management:**
PostgreSQL, MySQL, MongoDB

**Tools & Platforms:**
Git & GitHub, Docker, VS Code, Postman, Render

**Machine Learning (if applicable):**
Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib

**Concepts:**
Object-Oriented Programming (OOP), Data Structures & Algorithms, Database Design, API Integration, Version Control

**Soft Skills:**
Problem Solving, Team Collaboration, Adaptability, Communication, Time Management

## 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.