

# ANIMESH MONDAL

SOPHOMORE

## CONTACT

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- Chennai, Tamil Nadu ,  
India

## SKILLS

- Python
- Java
- C/C++
- React JS
- NodeJS
- MySQL

## SOFT SKILLS

- Project Management
- Public Relations
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking
- Digital Marketing

## LANGUAGES

- English
- Hindi
- Bengali

## PROFILE

Motivated and detail-oriented second-year Computer Science Engineering student with a strong foundation in programming and problem-solving. Proficient in languages such as C++, Python, and Java, with hands-on experience in data structures, algorithms, and object-oriented programming. Eager to apply technical skills in real-world projects and continuously improve through collaborative learning and practical experience. Passionate about software development, coding competitions, and staying current with emerging technologies.

## PROJECTS

### Automated Keyboard Spam & Web Interaction Bot 2024 - 2025

- Developed a Python automation script using keyboard, pyautogui, and subprocess to generate random text and simulate keyboard input in Notepad.
- Enabled user-controlled spam start/stop functionality and dynamically created timestamped log files.
- Automated browser interaction by opening YouTube, performing a search, and simulating user clicks with screen coordinates.

### Terrain-Analyzer 2024- 2025

- Built a terrain classification system using a machine learning model (TensorFlow/Keras) to identify terrain types from uploaded images and live webcam feed.
- Integrated with a Flask backend and an interactive frontend using HTML, CSS, and JavaScript with custom animations and gradient styling.
- Displayed terrain-specific features (e.g., vegetation, elevation, surface type) alongside real-time detection results in a user-friendly web interface.

### Chat-Bot 2023- 2024

- Developed a Python-based command-line chatbot integrated with Hugging Face GPT-3 for natural language understanding.
- Implemented file operations (create, read, update, delete), mathematical expression evaluation, and basic web browsing.
- Utilized NLP techniques to parse user intent and dynamically trigger corresponding backend functions.

## EDUCATION

### Vellore Institute of Technology, Chennai 2023- 2027

B.Tech- Computer Science Engineering

### Zoom International School, Durgapur 2008 - 2023