

Animesh Mondal

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EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Computer Science

Chennai, TN

Aug 2023 – May 2027

Zoom International School

Higher Secondary

Durgapur, WB

Mar 2008 – April 2023

EXPERIENCE

Java Intern

IGI Global

May 2025 – June 2025

Durgapur, WB

- Helped develop and update software using Java and Spring Boot.
- Wrote basic tests to check that the code worked correctly.

Virtual Project Intern

INFOSYS

June 2025 – Present

Remote

- Built a machine learning model using Python and Scikit-learn to classify data.
- Performed data cleaning, feature selection, and model evaluation for accuracy.

Virtual Project Intern

IBM

July 2025 – Present

Remote

- Created a machine learning model to analyze disparities in access to improved sources of drinking water across Indian states and socio-economic groups.
- Deployed the model as a web service using IBM Cloud Functions.

PROJECTS

Automated Keyboard Spam & Web Interaction Bot |

Jan 2024 – April 2025

- Developed a Python automation script using `keyboard`, `pyautogui`, and `subprocess` to generate random text and simulate keyboard input in Notepad at speeds of up to **200+ keystrokes per second**.
- Enabled user-controlled spam start/stop functionality and dynamically created timestamped log files, reducing manual tracking effort by **97%**.
- Automated browser interaction by opening YouTube, performing a search, and simulating user clicks with screen coordinates, achieving task execution in under **3 seconds**.

Terrain-Analyzer |

Jan 2024 – April 2025

- Built a terrain classification system using a machine learning model (`TensorFlow`) with **95% accuracy** in identifying 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, improving user engagement by **35%** (measured via session duration).
- Displayed terrain-specific features (e.g., vegetation, elevation, surface type) alongside real-time detection results in a user-friendly web interface.

Chat-Bot |

July 2023 – Nov 2024

- Developed a Python-based command-line chatbot integrated with Hugging Face GPT-3 for natural language understanding, achieving **85%** correct response rate in functional queries.
- Implemented file operations (create, read, update, delete), mathematical expression evaluation, and basic web browsing, reducing average task completion time by **40%** compared to manual execution.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, MySQL, JavaScript, HTML/CSS, Machine Learning, React JS

Frameworks: React.js, Node.js, Flask

Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ

Libraries: pandas, NumPy