

JAYITA MAJI

Mail: jayitamaji2004@gmail.com | [LinkedIn](#) | [Portfolio](#) | [Git Hub](#) | Ph: +91 9832816778

EXPERIENCE

AICTE-Shell ML Intern – Edunet Foundation (Remote)

July 2025

- Developed an ML model for deforestation detection from satellite data.
 - Attended masterclasses on Git, GitHub, resume building, and model evaluation.
 - Participated in collaborative team-based development and weekly project evaluations.
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EDUCATION

BTech CSE (AI&ML)- Brainware University

Aug 2022 - July 2026 expected

Current CGPA: 9.31 (Up to 6th semester)

Higher Secondary- Dakshin Moyna High School(H.S.), WBCHSE

2022

Score: 96.4%

Secondary- Dakshin Moyna High School(H.S.), WBBSE

2020

Score: 92.71%

TECHNICAL SKILLS

- **Programming Languages:** Python(Libraries), C++, JavaScript
 - **Web Technologies:** HTML, CSS(Tailwind), React.js, Node.js, Git & GitHub
 - **Database:** MySQL, MongoDB Cluster
 - **Core Concepts:** Machine Learning, DBMS, Computer Network
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PROJECTS

Smart Irrigation System ([Repo](#))

July 2025

- Built a machine learning-powered irrigation controller that predicts and automates water delivery to farm parcels using multi-sensor environmental data.
- Optimizes water use and crop health via multi-label classification and real-time control.

Tech: Python, Numpy,Pandas, Scikit-learn, Joblib, Google Colab, Streamlit, GitHub, VS Code

Fire Classification in India ([Repo](#))

August 2025

- Developed a ML model to classify fire types using **MODIS satellite data from NASA**.
- Leveraged key thermal, geospatial, and temporal features to distinguish between vegetation fires, volcanic activity, and other anomalies, enabling improved fire monitoring and response.

Tech: Python, Pandas, Scikit-learn, SMOTE, Folium, Google Colab, Streamlit, GitHub

Fact-Checker ([Repo](#))

August 2025

- Developed a fact-checking website that verifies factual claims using Google Search API and returns a verdict with confidence.
- Displays the result with sources and explanations in a user-friendly interface.

Tech: React.js, HTML, CSS, JavaScript, SerpAPI, Node.js, Vercel, GitHub, VS Code

CERTIFICATION

- **Bootcamp on Big Data & Data Science** — NIELIT Kolkata (June,2025)
 - **Intel® Unnati Training** — Intel (May, 2025)
 - **Spoken Tutorial Project, Java, PHP, MySQL** — IIT Bombay (May, 2025)
 - **Advanced Software Engineering Job Simulation** — Walmart Global Tech & Forage (April,2025)
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ADDITIONAL INFORMATION

- Drive Manager, CSE-AI_Brain_Express — Official News Letter of Department of CSE-AI
- Volunteer, ICCRET 2022 & 2023 — Oversaw registration and logistics.
- Volunteer, Texibition 2024 Annual Tech Fest — managed demo setups and attendee support.
- **Languages:** Bengali (native), English (fluent), Hindi (conversational)
- **Interests:** Photography, Video Editing, Painting