

Momi Biswas

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PROFILE

Highly motivated Computer Science and Engineering graduate with MTech and specialized expertise in AI & Machine Learning, Python and Proficient in Data Science.

EDUCATION

Master of Technology (MTech) in Computer Science and Engineering 06/2023 – 07/2025
Swami Vivekananda University, West Bengal, India
kolkata, West Bengal, India
CGPA: 9.45/10

Master of Computer Applications 06/2021 – 06/2023
Guru Nanak Institute of Technology, West Bengal, India
kolkata, West Bengal, India
CGPA: 8.89/10

Bachelor of Computer Applications 06/2018 – 06/2021
Guru Nanak Institute of Technology, West Bengal, India
kolkata, West Bengal, India
CGPA: 8.01/10

SKILLS

Machine Learning & Genrative AI **Data Visualization**
NN, NLP, Clustering, EDA, PCA, LLMs, Claude, Matplotlib, Seaborn, Plotly, Excel, Power BI, Tableau
Prompt engineering, Agentic Workflow

Programming Languages
Python, C

PROJECTS

Medical Data Privacy with Fully Homomorphic Encryption 01/2025 – 06/2025
Designed end-to-end FHE workflows enabling encrypted computation on medical records

Automated Pain Detection Using Machine Learning 01/2024 – 06/2024
Developed convolutional neural networks to analyze facial cues and physiological signals, attaining 92% detection accuracy in clinical test sets

Exploring the Use of AI in Agriculture for Early Detection of Leaf Diseases 01/2023 – 06/2023
Developed AI pipeline for early crop leaf disease detection through image preprocessing and feature extraction.
Trained CNN models achieving up to 91% accuracy on-crop datasets.

Cyclone Prediction Using Machine Learning 06/2022 – 12/2022
Built regression and classification models to forecast cyclone occurrences and intensities, improving early-warning accuracy by 18%

AWARDS

Samman Award for Academic Excellence, Swami Vivekananda University 2025
Swami Vivekananda University

Kriti Award for Academic Excellence, Guru Nanak Institute of Technology 2023
Guru Nanak Institute of Technology