

Nipu Moni Dutta

Email: nipumoni991@gmail.com

LinkedIn: www.linkedin.com/in/nipumoni-dutta-23a954218

Address: Jorhat – 785006

Phone No : 8638463006

Nationality : Indian

Career Objective

A results-driven and passionate MCA graduate with strong skills in software development, AI, and computer vision. Eager to contribute to impactful technological solutions and continuously evolve in a dynamic and challenging environment

Degree	Institution	University/Board	Year
MCA	Assam Kaziranga University	Assam Kaziranga University	2023-2025
BSC_IT	Assam Downtown University	Assam Downtown University	2019-2022
HS (12th)	Army Public School, Jorhat	CBSE	2019
HSLC (10th)	Army Public School, Jorhat	CBSE	2017

Technical Skills

AI Developer | Machine Learning Engineer | Computer Vision Developer | Full Stack Web Developer | Research Intern

Projects

Automated Helmet Detection System: Used YOLOv8 and PaddleOCR for real-time helmet detection and number plate recognition; deployed using Streamlit.

Assamese Speech-to-Sign Language Translator : Developed a system for converting Assamese speech to sign language using Wav2Vec2 and video database matching.

College Management System: Built a web-based application to manage student records, faculty data, and academic resources.

Experience

Data Science Intern (IBM) – [Feb- Mar , 2025]

Completed a virtual internship on Data Science, gaining hands-on experience in data preprocessing, machine learning models, and data visualization using Python

Research Intern – NIELIT Jorhat (Jan 2025 – May 2025)

Worked on an Assamese Speech-to-Sign Language Translator using Wav2Vec2 for speech-to-text, glossing for preprocessing, and sign video retrieval via similarity matching. Contributed to improving accuracy and UI integration.

Languages

English | Hindi | Assamese