

SUMMARY

I am a Machine Learning and Data Science enthusiast, with a constant eagerness to learn more. I am always trying to adapt to new and emerging technologies and strive to contribute as much as possible to the tech community,

EDUCATION

National Institute of Technology Silchar

B.Tech - Computer Science and Engineering  
CGPA (upto 3rd semester) : 8.48  
2022 - 2026

NPS International School, Guwahati

Grade XII: 96.2%  
2020-2022

Don Bosco School, Guwahati

Grade X: 95.6%  
2010-2020

SKILLS

**Programming Languages:** C, C++, Python, Javascript  
**Frameworks and Libraries:** Tensorflow, PyTorch, Keras, Scikit-learn, Numpy, Pandas, FastAPI, Flask, ExpressJs, NodeJs, Seaborn, OpenCV, NLTK, Langchain  
**Areas of Specialisation:** Computer Vision, Natural Language Processing(NLP), LLMs, GenAI

ACHIEVEMENTS

- Winner of CSS HACKS 2024, the annual hackathon organised by the Computer Science Society, NIT Silchar.

LANGUAGES

- English
- Hindi
- Assamese

HOBBIES

- Singing
- Gym

PROJECTS

1) Lung Cancer Detection using CNN and Classification using Decision Tree

[Source Code](#)

This project aims to develop a machine learning model for detecting and classifying lung cancer based on CT scan images. The goal is to assist medical professionals in accurately identifying cancerous lesions and determining the type of lung cancer.

2) Real Time Facial Verification using Convolutional Neural Network and OpenCv

[Source Code](#)

Real-time facial verification is a project that involves leveraging deep learning and image processing techniques to perform instantaneous facial recognition on images captured using a webcam

3) Sentiment Analysis of Assamese Text using Google Translator API and BERT model

[Source Code](#)

Analysing sentiment on Assamese Text using a BERT model that rates sentiments on a scale of 1 to 5 ; 1 being most negative and 5 being most positive.

4) CareBridge

[Source Code](#)

A comprehensive flutter app that provides healthcare and telemedicine services to the rural population.

Key Features

- AI generated diagnosis and prescription.
- Appointments with local doctors.
- Summarization of complicated medical reports using Hugging Face state-of-the art model (falconsai).
- Cancer detection and classification using uploaded CT Scan images.
- Daily news about health and vaccination drives.
- Online medistore for purchase of medicines.

5)Autism Research: Harnessing the Power of OpenAI LLM, LangChain, and Pinecone Vector Database for Dynamic Retrieval-Augmented Generation of Medical Insights

[Source Code](#)