Shibam Chakraborty

Computer Science Graduate

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SUMMARY

Motivated Computer Science graduate specializing in Machine Learning and Computer Vision. Experience in developing deployable AI solutions and publishing research in international conferences. Passionate about bridging academic innovation with real-world AI applications and ready for industry experience exploration.

EDUCATION

BRAC University, Bachelor's in Computer Science 2022 – 2025

- GPA: 3.40/4.0

Bakolia Govt. College, Higher Secondary Certificate 2020

- GPA: 5.00/5.00

St. Placid's School and College, Secondary School Certificate 2018

- GPA: 5.00/5.00

EXPERIENCE

Researcher, Research Activator Lab 2025 – Present

Instructor, Srijon, BRAC February 2023 – May 2023

- Developed and delivered interactive lessons on IT, health, and ethics to underprivileged students

RESEARCH & THESIS

Accepted Paper: 1 Conference paper is accepted in the 8th International Conference on Recent Trends in Image Processing & Pattern Recognition (RTIP2R), Morocco.

Thesis: "HyMaC-Net: A Hybrid Lightweight Mamba-CNN Framework with Patch Embedding for Medical Image Classification"

- Developed HyMaC-Net, a lightweight hybrid deep learning model combining CNN and Mamba-based state-space mechanisms for efficient and generalizable medical image classification across multiple datasets.

PROJECTS

ML Football Match Outcome Prediction MLFootballPred

- An undergraduate course project on football match prediction using three ML models.
- Tools Used: Python

GhauGhau a Pet Adoption Platform GhauGhau

- Developed a full-stack website for pet adoption.
- Tools Used: NodeJS, NextJS, Tailwind CSS, MongoDB.

Road Rash with Obstacles 3D RoadRash3D

- About A Car-obstacle game, built with OpenGL and Python. The car can shoot bullets to destroy obstacles (cars), and enemy cars will follow me.
- Tools Used: Python, OpenGL

Brain-Tumor Segmentation & Classification Brain-Tumor seg-cls

- A computer-vision project for segmentation and classification using UNet and updating UNet to Attention-UNet for segmentation.
- Tools Used: Python, Pytorch, Tensorflow.

SKILLS

Programming Languages: Python, C.

Web Development : NextJS, TailwindCSS, MernStack.

Other Expertise : Github, TawkTo, Machine Learning, Deep Learning, Natural Language Processing, Large Language Models, Prompt Engineering.

Field Skills: Communication, Leadership, Problem Solving, Public Speaking, Teamwork, Mentoring/Teaching.

Certifications

- **Udemy** - Machine Learning A-Z: AI, Python and R+, ChatGPT [2024]
- **IBM** - Project Management Fundamentals [2024]
- **Udemy** - The Data Science Course: Complete Data Science Bootcamp [2025]

INTERESTS

- Research in AI for Healthcare, Medical Imaging, and Explainable AI
- Developing scalable AI/ML solutions for real-world challenges
- Exploring intersections of Natural Language Processing (NLP) and Computer Vision
- Public speaking and knowledge sharing
- Competitive gaming