Biswadeep Mazumder

Bachelor of Technology, Computer Science and Engineering
Jorhat Engineering College

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🌐 my-portfolio-biswadeep.netlify.app

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech., CSE	Jorhat Engineering College	8.52	2023-2027
Senior Secondary	Kendriya Vidyalaya	91.67%	2020-2022
Secondary	Kendriya Vidyalaya	86.4%	2010-2020

EXPERIENCE

- **Winter Intern, IOCL Guwahati** *Jan 2026*
  Intern under Mr. Prakash Kr. Sinha Guwahati
  ◦ Designed and experimented with predictive maintenance machine learning models.

- **Research Intern, IIIT Guwahati** *July 2025*
  Intern under Dr. Manojit Ghose Guwahati
  ◦ Designed and experimented with advanced technologies in custom CNN architectures to optimize the model performance for resource-constrained deployment.

- **Runners Up, HACKDAYS 3.0** *March 2025*
  Hackathon organized by Guwahati University Guwahati
  ◦ Developed an AI-based evaluation system with adaptive, concept-focused assessments to reduce rote learning and ensure fair grading.

PERSONAL PROJECTS

- **Personal Portfolio Website** 🌐
  ◦ Designed and developed a responsive personal portfolio using HTML, CSS, and Js to showcase projects and skills.

- **AI-Based Evaluation System for Concept-Focused Assessment** ⭕
  ◦ Built an AI-driven assessment system using semantic similarity–based grading to reduce rote learning and align evaluations with instructor intent.

- **Streamlit ML Showcase: Diamond Pricing & Terrain Classification** ⭕
  ◦ Developed interactive ML dashboards enabling real-time regression and CNN-based classification predictions.
  ◦ Implemented diamond price prediction and land terrain classification across six landscape categories.

- **Face Recognition–Based Attendance System** ⭕
  ◦ Engineered a real-time face recognition pipeline for automated attendance logging.

- **Automated Image Dataset Scraper** ⭕
  ◦ Built a Streamlit-based web tool to automate large-scale image scraping for CV datasets.

TECHNICAL SKILLS AND INTERESTS

- **Programming Languages**: C/C++, Python, HTML, CSS, Javascript
- **Libraries**: Scikit-learn, TensorFlow, OpenCV, Matplotlib, Selenium
- **Tools**: VS Code, GitHub, Jupyter Notebook, Google Colab, MySQL
- **Areas of Interest**: Natural Language Processing, Web Scraping, Machine Learning, Deep Learning

CERTIFICATIONS

- **Supervised Machine Learning: Regression and Classification** *Stanford University & Coursera*
- **Advanced Learning Algorithms** *Stanford University & Coursera*
- **Unsupervised Learning, Recommenders, Reinforcement Learning** *Stanford University & Coursera*