Debolina Das

AI and Machine Learning Enthusiast | Skilled in ML, Deep Learning, and Model Optimization

I aim to acquire new knowledge and experiences while leveraging my interpersonal skills to contribute to the achievement of business objectives. With robust analytical and developmental skills, I am actively seeking an opportunity to further hone my skills.I am eager to join a dynamic organization that offers prospects for professional advancement. I am a curious learner and proactive problem solver who is ready to make valuable contributions to the team.

diyalinad13@gmail.com

+91-6002563359

Guwahati, Assam, India

linkedin.com/in/debolina-das-tech13

github.com/debolina-d

EDUCATION

Master of Computer Applications
Vellore Institute of Technology, Vellore
07/2024 - Present *CGPA: 8.05*

Bachelor of Computer Applications
The Assam Royal Global University, Guwahati
09/2021 - 06/2024 *CGPA: 9.01*

Class XII (Commerce)
South Point School, Guwahati
04/2020 - 03/2021 *Percentage: 91%*

Class X
South Point School, Guwahati
04/2018 - 03/2019 *Percentage: 90.4%*

PROJECTS

Comparative Analysis on CNN Models for the Detection of Macular Degeneration (09/2023 - 01/2024)

- Engineered a project to evaluate and compare CNN models for detecting macular Degeneration in retinal images.
- Applied advanced deep learning techniques to enhance accuracy and reliability in medical image analysis.
- Optimized model performance through hyper parameter tuning and data augmentation, improving classification precision.

Optimized Inception-Based Deep Learning Architecture for the Detection of Macular Degeneration (10/2024 - Present)

- Engineered a comparative analysis of CNN models, including Inception v1, Inception v3, and Inception-ResNet v2, for detecting macular degeneration in retinal images.
- Identified limitations in existing models, such as overfitting and performance inconsistencies, through extensive evaluation.
- Applied advanced transfer learning, hyperparameter tuning, and data augmentation to boost model performance.

Breast Cancer Detection using RCNN (03/2025 - Present)

- Designed and implemented a Region-based Convolutional Neural Network (RCNN) model for breast cancer detection using histopathological images.
- Applied advanced image preprocessing techniques, including normalization and contrast enhancement, to improve image quality.

Full-Stack Web Application for Online Medical Consultations Using MERN (02/2025 - 03/2025)

- Built using React.js, Vite, and Axios for a fast, responsive UI.
- Designed modular components like Dashboard, Appointment Manager, Diagnosis Form, and Patient History View.

WORK EXPERIENCE

Web Development Intern
Globotask IT Consultancy Services Pvt. Ltd.
06/2025 - Present *Guwahati, Assam*

SKILLS

Python | Java | SQL | Machine Learning | Artificial Intelligence | Web Development | Docker

ACHIEVEMENTS

Gold Medalist - Bachelor of Computer Applications, 2024 (09/2021 - 06/2024)
Awarded the Gold Medal for securing the highest academic performance in the 2024 graduating class.

CERTIFICATES

Deep Learning with Python & Pytorch for Image Classification - Udemy (11/2023)
- Credential ID: UC-a533d8bb-77d9-44aa a310-24c25dad64f3

Cloud Computing on AWS: Ultimate Beginners Course - 2023 - Udemy (12/2023)
- Credential ID: UC-168a1905-cee5-49b5-93a2 fd3b8a205c51

The Fundamentals of Digital Marketing - Google (09/2021)
- Credential ID: PDV H39 Y84

Docker Foundations Professional Certificate - Docker Inc. (06/2025)
- Credential ID: 0f4300d92fed7fb806708e26aed74278cca8ece40c29a67945b87ae1dccc0b65

LANGUAGES

English
Full Professional Proficiency

Hindi
Native or Bilingual Proficiency

Bengali
Native or Bilingual Proficiency

Assamese
Full Professional Proficiency

VOLUNTEERING EXPERIENCE

Student Volunteer, National Service Scheme (NSS) 2021-2024

Student Head, University Techfest "Technophilia 3.0"

Event Host, Google Developers Group Guwahati , 2023