

Bishal Dutta

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PROFESSIONAL SUMMARY

Currently pursuing a B.Tech degree in Computer Science and Technology from Institute of Engineering and Management. Developer and creator focused on building thoughtful digital experiences and real-world applications. Passionate about solving practical problems through technology and continuously learning new tools and frameworks.

EDUCATION

B.Tech in Computer Science and Engineering Institute of Engineering & Management (IEM) CGPA: 8.44 (Till 5 th sem) • Kolkata, India	2023 – 2027
Class XII (ISC) – Holy Home School 93.4% • Serampore, India	2021 – 2022
Class X (ICSE) – Holy Home School 92.6% • Serampore, India	2019 – 2020

PROJECTS

Terraseg — Land-Use & Land-Cover Classification [LINK](#)

GitHub: github.com/bishaldutta11

- An advanced platform for Semantic Segmentation of satellite imagery, categorizing pixels into classes like Buildings, Roads, Water, and Vegetation for urban planning and environmental monitoring.
- TerraSeg Framework lets users upload satellite images and instantly generate CNN-based segmentation masks with interactive visualization and class distribution analytics.

AI-Defence — DeepFake Image detection using ML [LINK](#)

GitHub: github.com/bishaldutta11

- A web-based application to detect deepfakes and manipulated images using a trained Deep Learning model (MobileNetV2).
- Developed a deep learning-based Deepfake Detection System using TensorFlow and Keras to accurately classify real and fake facial images.

Plant-Doc — Plant Disease prediction using ML [LINK](#)

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- Implemented a deep learning-based plant disease detection model by applying CNN architecture for accurate leaf disease classification.
- Designed and trained a Convolutional Neural Network (CNN) using TensorFlow and Keras for classifying plant leaf images into multiple disease categories.

TECHNICAL SKILLS

Languages: C, Java.

Webtools: HTML, CSS, JavaScript.

Software: VS Code

SUBJECT OF INTEREST

- Data structure and Algorithms (DSA).
- Object Oriented Programming (OOPS).
- Database Management Systems (DBMS).

CERTIFICATE

- NPTEL: PROBLEM SOLVING IN C
- NPTEL: PYTHON IN DATA SCIENCE
- COURSERA: APPLIED CRYPTOGRAPHY
- Participated in Bhartaiya Antariksh Hackathon 2025

EXTRA CURRICULAR ACTIVITIES

- Participated in Various Tournaments in Football and Badminton