

DEBASHIS BERA

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📍 Kalyani, Nadia, West Bengal, India

🌐 Portfolio

🌐 LinkedIn

🌐 GitHub

ABOUT

A passionate B.Tech CSE student driven by curiosity in the tech world. Eager to contribute to society by solving real-world problems through the power of algorithms.

TECHNICAL SKILLS

Programming Languages: C/C++, Python, JavaScript, HTML5/CSS3, OCaml, Verilog

Frameworks & Libraries: React.js, Tailwind CSS, NumPy, Pandas, EmailJS, ParticleJS.

Tools & Technologies: Git, GitHub, Machine Learning

Soft Skills: Problem Solving, Leadership, Communication, Team Collaboration, Adaptability.

KEY PROJECTS

Explainable Machine Learning Model for Arrhythmia Detection

Python | Machine Learning | K-Nearest Neighbors | ECG Analysis

Developed hybrid ECG beat segmentation and classification pipeline achieving 99% accuracy using interpretable ML models. Implemented comprehensive data preprocessing and feature extraction techniques for medical diagnostics. [View Live](#) [GitHub](#)

Narada Bot - Discord Event Management System

Python | Discord API | Google Calendar API | Event Management

Built intelligent Discord bot integrated with Google Calendar for automated event scheduling and reminders. **Winner** of "Best Use of Composio" at **Hack4Bengal 3.0**. [View Live](#) [GitHub](#)

Hackaut Official Website

React.js | Tailwind CSS | EmailJS | Responsive Design

Developed official website for college coding club featuring modern UI/UX, responsive design, and integrated contact functionality for enhanced user engagement. [GitHub](#)

Virtual Tools - Hand Tracking System

Python | Computer Vision | OpenCV | Gesture Recognition

Designed hand-tracking module enabling virtual whiteboard and mouse control using advanced computer vision techniques and real-time gesture recognition. [GitHub](#)

PROFESSIONAL EXPERIENCE

Language Coordinator

Hackaut (College Coding Club)

Nov 2023 - Present

- Organized technical workshops enhancing communication and coding skills for 100+ students
- Promoted collaborative learning through structured practice sessions

AI & ML Core Member

GDSC MAKAUT '23

Aug 2023 - Jun 2024

- Facilitated AI/ML sessions focusing on Python libraries including NumPy and Pandas
- Mentored students in machine learning concepts and practical implementations

ACHIEVEMENTS

🏆 **Hack4Bengal 3.0:** Won "Best Use of Composio" track for Narada Bot

🔗 **LeetCode:** Achieved 3.5 stars in Competitive Programming

🏠 **IIT Kharagpur:** Solved 6/10 problems in overnight coding contest

🌟 **Certification:** Completed Decode batch of DSA C++

EDUCATION

Degree	Institution	Year	Grade
B.Tech CSE	MAKAUT, WB , Kalyani	2022-26	8.60 CGPA
12th Science	Karkai Vivakanda Vidyapith	2022	91.6%
10th	Panithar G M Siksha Sadan	2020	93.15%

ADDITIONAL PROJECTS

Season Predictor Weather App

React.js | OpenWeatherMap API

Real-time weather application with location-based forecasting and responsive design. [View Live](#) [GitHub](#)

Personal Portfolio Website

React.js | Tailwind CSS | EmailJS

Professional portfolio showcasing projects with integrated contact functionality. [View Live](#) [GitHub](#)

INTERESTS

Sports (Cricket, Chess, Table Tennis) • Fitness & Gym • Painting Art & Drawing • Technology Research