

BIPASHA CHAKRABORTY

Computer Science and Engineering Student

CONTACT

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🌐 [Portfolio](#)

🌐 [Linkedin account](#)

🌐 [GitHub account](#)

PROFILE SUMMARY

A second-year Computer Science and Engineering student passionate about AI and innovative systems, with proven leadership in project work and community service. Experienced in machine learning, OpenCV, and team management. Eager to explore and learn new technologies.

EDUCATION

2023-2027

VIT BHOPAL UNIVERSITY

- Bachelor of Technology

Computer Science and Engineering

- Current CGPA: 8.77 (4th Semester)

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2012-2022

KV AFS JORHAT, ASSAM

- 12th: 78% (PCMB)

- 10th: 90.41%

SKILLS

- **Programming Languages:** Python, C++, C, Java, MATLAB
- **Web Development:** HTML, CSS
- **Frameworks/Tools:** OpenCV, GitHub, AutoCAD, Figma
- **Concepts:** DBMS, Operating Systems, Machine Learning, AI

PROJECTS

Emotion Recognition System

02/2025 - CURRENT

- Developed an innovative Emotion Recognition System leveraging machine learning for instant facial expression analysis.
- Implementing advanced deep learning models to improve accuracy and processing time in diverse emotional scenarios.

Student-Attendance-Via-Face-Recognition

10/2024 - 01/2025

Engineered in a project focused on innovative attendance systems.

- Enhanced student attendance tracking using dual thermal imaging and machine learning algorithms.
- Developed expertise in OpenCV, KNeighbors Classifier, and dataset handling with Cloud AutoML.
- Worked under the guidance of Dr. Asfaq Ahmad at VIT Bhopal to refine the implementation.
- Improved real-time attendance recording accuracy from 70% - 75% through model optimization.

PERSONAL PORTFOLIO

02/2025 - 03/2025

- Designed and developed a personal portfolio website using HTML, CSS AND JS.
- Showcasing projects and skills with a responsive and user-friendly interface. Deployed on Netlify for seamless accessibility.

NARIYUGG-Empowering women

01/2025 - 01/2025

- A 100% free website designed to support businesswomen, especially in rural areas,
- By providing essential resources and multi-language accessibility for an easy user experience.

BOOST-BOOK

09/2024 - 10/2024

Designed in a project focused on hotel marketing campaigns.

- Hotel managers can enter basic details like the hotel name and current occupancy rate.
- The structure is very basics by only using HTML, CSS and JS, further I will this website to further which will help the community.

LANGUAGES

- English: Advanced
- Hindi: Advanced
- Bengali: Native
- Assamese: Intermediate

CERTIFICATIONS

- NPTEL SWAYAM- INTRODUCTION TO Machine Learning BY IIT MADRAS (Pursuing)
- Generative AI Certification in Generative AI by Linkedin Learning
- EF SET English Certificate C1 (Advanced) Score: 70/100
- MATLAB Onramp Certification
- Social Winter of Code
- International Mathematical Olympiad (IMO) – School Rank 1(2023)

EXPERIENCE

AI Threat Analysis Article10/2024 - 10/2024

- Conducted research and authored reports analyzing the societal and economic impacts of AI technology.
- Authored an article published that explores how AI governance impacts human autonomy, contributing to ongoing debates among policy makers and researchers.

Mahro Rajasthani Club - Core Member02 /2025 - current

- Collaborated with the Event Management Team to successfully organize two major university fests, attracting over 1,000 attendees each.

Northeast Club- Core Member03/2024 - 12/2024

- Worked with team members to establish this new university club, attracting over 50 members and hosting three successful events in the second and third semester.
- Boosted student engagement by 30% by organizing a cultural event that highlighted the unique traditions of the Hmong culture.
- Increased student interest in Assamese culture and state affairs by 15%, reflecting a growing awareness and engagement.

Hostel- Representative04/2024 - 10/2024

VIT BHOPAL BLOCK 1 GIRLS HOSTEL

- Official representative role in the hostel.
- Organized the necessary protocols and taking care of proper cleanliness taking care of block-1 girls safety of 1600 students.

School-House Captain04/2022 - 06/2023

KENDRIYA VIDYALAYA NO.1 AIR FORCE JORHAT, ASSAM

- Leadership role in school activities and events.
- Led school events and organized programs, including managing responsibilities with the chief guest.
- Showcased leadership and organizational skills.

National Service Scheme NSS07/2024 - 07/2024

Volunteer

- Volunteer role focused on community service and environmental initiatives.
- Coordinated environmental sustainability projects, resulting in increased awareness and participation in eco-friendly practices.

STRENGTHS

- Strong Written and Verbal Communication
- Efficient Scheduling and Time Management
- Adaptability in Multitasking
- Critical Thinking and Analytical Skills
- Leadership in Event Management
- Effective Team Collaboration