

# Rajpratim Mahanta

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## Education

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<b>Dibrugarh University</b> <i>B.Tech in Computer Science and Engineering</i>	Nov 2021 – July 2025 (Expected)
<b>Salt Brook Academy, Dibrugarh</b> <i>Senior Secondary (10+2)   Scored: 90%</i>	Aug 2019 – Aug 2021
<b>Don Bosco Higher Secondary School, Boko</b> <i>Secondary (10th)   Scored: 87.83%</i>	July 2019

## Experience

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<b>Vehicle Entry Automation Intern</b> <i>IOCL, Guwahati</i> <ul style="list-style-type: none"><li>Designed and implemented a website from scratch, enabling dynamic functionality by integrating API data fetching, improving efficiency by 30%</li></ul>	July, 2024 – July, 2024
<b>Computer Vision Model Development Intern</b> <i>IIT Guwahati</i> <ul style="list-style-type: none"><li>Engineered a real-time hand gesture recognition system using Python, OpenCV, Tkinter, Mediapipe, and Scikit-learn, achieving 98-100% accuracy with Random Forest and SVM, enhancing accessibility and virtual reality applications.</li></ul>	June, 2023 – July, 2023
<b>Web Developer</b> <i>Freelancer</i> <ul style="list-style-type: none"><li>5+ Custom Websites projects for clients across diverse industries, focusing on responsive design, user experience, and performance optimization.</li></ul>	

## Projects

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**NCMNC:** Website for a National Conference at Dibrugarh University, showcasing schedules, speaker profiles, registration, and real-time updates.

**METAPOISE:** Designed and developed a website for METAPOISE with a focus on clean UI/UX, optimized for desktop browsers. Hosted on Vercel for fast, reliable performance, ensuring a smooth user experience.

**3D Site:** 3D model site that changes frames based on scrolling actions, created using HTML, Tailwind CSS, JavaScript, and GSAP.

**Portfolio:** My first portfolio website created using HTML, CSS, and JavaScript.

## *Volunteering*

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### **Management Lead**

Aug 2023 – Aug 2024

*Google Developer Student Club, Dibrugarh University*

- Organized technology-driven events such as hackathons and workshops, fostering innovation and practical learning among students.
- Built partnerships and led a vibrant community, promoting collaboration to tackle real-world challenges effectively.

### **METAPOISE Organizer**

Sept 2024

*Department of Computer Science, Dibrugarh University*

- Coordinated the organization and execution of METAPOISE v1.0, a techno-cultural event, enhancing student engagement and showcasing technical and cultural skills.
- Organized the **Digital Transformation** conference, attracting over 1,100+ registered attendees from diverse academic and professional backgrounds.
- Event featured in **The Sentinel** newspaper, highlighting its success and significant impact on the local community.

## *Research Publications*

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**1) A Contactless Control Mechanism for Computerized Systems using Hand Gestures**  
-IEEE SPS Kolkata

## *Technical Skills*

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**Programming Languages:** Python, C++, C, MIPS

**Web Dev:** HTML, CSS, JavaScript | Tailwind, Bootstrap

**JavaScript Libraries:** GSAP, Locomotive

**Tools:** GitHub, Canva, Figma, Spline, Virtual Box, Overleaf