

# DEBASHIS BERA

+91 6297172118 | [debashisalak@gmail.com](mailto:debashisalak@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfoilo](#)

## ABOUT

### Computer Science | Software Developer | AI & Web Applications | 2x Hackathon Winner

Aspiring Software Engineer with a strong foundation in C/C++ and Python, complemented by hands-on experience in coding and technical workshops. Driven by a passion for solving complex challenges and tailoring software solutions, eager to define mission-critical requirements and develop user interfaces. Demonstrates a proactive approach through collaborative projects and coding initiatives.

## TECHNICAL SKILLS

- **Programming Languages:** C/C++, Python, JavaScript, HTML5/CSS3, Verilog, MySQL
- **Frameworks, Libraries & Tools:** React.js, Tailwind CSS, NumPy, Pandas, SciPy, EmailJS, ParticleJS, Git, GitHub, Firebase
- **Soft Skills:** Problem Solving, Leadership, Communication, Team Collaboration, Adaptability
- **Interests:** Sports (Cricket, Chess, Table Tennis), Fitness & Gym, Painting Art & Drawing, Technology Research

## EDUCATION

<b>MAKAUT, WB, Kalyani</b> <i>B.Tech, CSE (GPA: 8.60/10 CGPA)</i>	<b>2022 - July 2026</b>
• <b>Coursework:</b> OS, COA, Computer Networks, DBMS, Automata Theory, DAA, Machine Learning, Explainable AI (X-AI)	
<b>Karkai Vivakanda Vidyapith</b> <i>12th Science, (GPA: 91.6%)</i>	
<b>Panithar G M Siksha Sadan</b> <i>10th (GPA: 93.15%)</i>	

## KEY PROJECTS

<b>Explainable Machine Learning Model for Arrhythmia Detection</b>   <a href="#">Code</a>   <a href="#">Academic</a>	<b>May 2025 - Present</b>
• Developed a 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 of Arrhythmia.	
• Based on <b>MIT-BIH Arrhythmia DataSet</b>	
<b>Aayojan.AI – Heritage Event Management Powered by AI</b>   <a href="#">Demo</a>	<b>Sep 2025 - Sep 2025</b>
Winner, <i>MetaMorph SI Hackathon (36h)</i>	
• Built an AI-driven cultural event management platform with features like multilingual content generation, smart finance tracking, role-based dashboards, AI poster maker, and community engagement tools.	
• Engineered using <b>Next.js (App Router), TypeScript, Tailwind, Prisma, PostgreSQL, Better Auth, Firebase Auth, Google Gemini 2.5 AI, Vercel</b> ; delivered a heritage-inspired, responsive, and accessible design system.	
<b>Aarav – My Personal AI Assistant</b>   <a href="#">Code</a>   <a href="#">Personal</a>	<b>Feb 2025 - Present</b>
• Developed an emotionally intelligent AI assistant with real-time voice conversations, task automation, and personality-driven responses.	
• Integrated Google Gemini AI, ElevenLabs TTS, and speech recognition with modular communication and cognitive pipelines.	
<b>Annapurna – AI Recipe &amp; Nutrition Companion</b>   <a href="#">Demo</a>   <a href="#">Hackathon</a>	<b>Aug 2025 - Aug 2025</b>
• Developed the frontend for an AI-powered meal planning and nutrition tracker, featuring OCR-based inventory scanning, personalized recipe generation, and real-time nutrition insights.	
• Designed a responsive, animated UI; backend hosted on MCP server in collaboration with Puch AI.	
<b>Narada Bot - Discord Event Management System</b>   <a href="#">Demo</a>   <a href="#">Composio</a>	<b>Aug 2024 - Aug 2024</b>
• Built an intelligent Discord bot integrated with Google Calendar for automated event scheduling and reminders.	
• Winner of "Best Use of Composio" at Hack4Bengal 3.0. (Hackathon   Team Project)	

## PROFESSIONAL EXPERIENCE

<b>Hackaut (College Coding Club)</b>   <i>Language Coordinator</i>	<b>Nov 2023 - Present</b>
• Organized technical workshops enhancing communication and coding skills for 100+ students	
• Promoted collaborative learning through structured practice sessions	
<b>GDSC MAKAUT '23</b>   <i>AI &amp; ML Core Member</i>	<b>Aug 2023 - Jun 2024</b>
• Facilitated AI/ML sessions focusing on Python libraries, including NumPy and Pandas	
• Mentored students in machine learning concepts and practical implementations	

## ACHIEVEMENTS

- **Winner — MetaMorph Season-1 (36-hour hackathon): Built Aayojan.AI (winning project)**
- **Hackathon Winner:** Hack4Bengal 3.0: Won "Best Use of Composio" track for Narada Bot
- **Course:** Certification: Completed Decode batch of DSA C++