

Bichitra Behera

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Education

AMC Engineering College	CGPA: 8.40 / 10.00
Bachelor of Engineering – Computer Science and Data Science	2023 – 2027
St. Francis Composite PU College	Percentage: 95.17%
PCMC (Physics, Chemistry, Mathematics, Computer Science)	2021 – 2023

Technical Skills

Frontend & Design Engineering: React.js, Next.js, React Native, TailwindCSS, Motion, Shadcn UI, Responsive UI, Component Architecture

AI & Developer Tools: OpenAI API, Ollama, LLM Integration, AI Automation, GitHub API, AI Product Development

Backend & Data: Node.js, Express.js, MongoDB, Redis, Supabase, Prisma ORM

Infrastructure & Tools: Docker, Git, GitHub, Vercel, Cloudflare Workers, Render, Cloudinary, Postman, Clerk, Upstash

Experience

SheBuilds Bangalore Core Team	Feb 2026 – Present
Technology & Community Lead	
<i>Community Operations, Event Management, Web Development, Technical Infrastructure</i>	

- Drive the technical operations of SheBuilds Bangalore, managing community platforms, event technology, and digital infrastructure while collaborating with the core team.
- Organize and execute developer-focused events, workshops, and community initiatives, coordinating speakers, participants, logistics, and technical requirements.
- Lead development of the official SheBuilds Bangalore platform using Next.js and TypeScript with Prisma, PostgreSQL, and Cloudinary.
- Collaborate with design, content, and community teams to turn requirements into production-ready digital experiences.

Vayu Arambh	Jan 2026 – May 2026
Flutter Developer & Backend Engineer	
<i>Flutter, FastAPI, Supabase, PostgreSQL, Docker, Pytest</i>	

- Shipped AQI Buddy end-to-end, a mobile application for real-time air-quality monitoring, personalised insights, exposure tracking, and push notifications.
- Owned frontend and backend development, implementing authentication, AQI data ingestion, cached real-time data flows, Supabase Row Level Security, Docker deployment, and Pytest coverage.

Projects

Iconora – Animated React Icon Library	
<i>React, TypeScript, SVG, Motion, shadcn CLI</i>	Live

- Built a motion-focused icon library featuring 82 handcrafted SVG icons across technology, AI, cloud, developer tools, media, gaming, and social categories.
- Designed interactive previews and reusable components with shadcn CLI installation and static SVG export.

AudioLab – Interactive Audio Experience	
<i>Next.js, TypeScript, Web Audio API, Canvas API, Cloudflare Workers</i>	Live GitHub

- Built a browser-based audio experience with a 9-band real-time equalizer, 8D stereo processing, audio effects, and live frequency-spectrum visualisation.
- Implemented low-latency client-side audio processing using the Web Audio API and real-time visualisation with Canvas API.

Tixly – AI Bug Ticket Generator

Next.js, TypeScript, OpenAI API, Clerk, Upstash, Slack API Live

- Built an AI-powered SaaS product that analyzes UI screenshots and generates structured bug tickets from visual context.
- Automated ticket distribution through Slack, creating an end-to-end workflow from screenshot analysis to issue reporting.

README.AI – AI Developer Tool

Next.js, TypeScript, GitHub API, Ollama, Docker Live GitHub

- Built an AI developer tool that analyzes GitHub repository metadata and file structure to automatically generate structured README documentation.
- Integrated local LLM inference with Ollama and Docker, enabling offline AI-assisted documentation generation without external model APIs.

Nature Foods Origin – Client E-commerce Platform

Next.js, TailwindCSS, Full-Stack Web Development Live

- Delivered a production e-commerce platform for a paying client with product discovery, cart, checkout, and online payment workflows.
- Built an administrative dashboard for product, order, and store management, enabling non-technical staff to operate the platform independently.

Compassion Crew – Community Platform

Next.js, TypeScript, TailwindCSS Live

- Designed and developed a community platform connecting students, professionals, and changemakers through events, volunteering, expert sessions, and social-impact initiatives.
- Built responsive experiences for community engagement, event discovery, volunteering, donations, and content publishing.

Publications

Graph Neural Networks for Crystal Property Prediction View Paper

- Co-authored and published a research paper exploring advanced AI techniques for materials science and predictive modeling. 2026

IoT-Based Gas Leakage Detection System View Paper

- Published a research paper on real-time monitoring, automated alerts, and enhanced safety mechanisms. 2024

Achievements

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- **1st Place** – HackVerse 2025 Post
 - **2nd Place** – Crack-a-Thon 2025 Post
 - **Finalist** – HACKABHiGNA 2025 Post