

Sayan Paul

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

WORK EXPERIENCE

Web Development Intern

June 2024 - July 2024

[Memorly.ai](#) | Remote

- Created a customizable AI bot that integrates effortlessly with existing web platforms, resulting in a streamlined customer interaction process and a reduction of 20 hours per week spent on manual support tasks.
- Improved the product's availability and fault tolerance through dynamic horizontal scaling on AWS, ensuring uninterrupted service and enhancing user experience.
- Increased about **25.4%** client interaction with **54%** less human interaction.
- Enhanced operational efficiency by implementing GitOps at scale using Rancher Fleet, enabling centralized management of multiple K8s clusters on a single dashboard.

PROJECTS

DevXStark

[View in GitHub](#)

- **Co-created “DevXStark”**, a no-code, AI-driven platform that streamlines Starknet onboarding for both end users and developers, reducing initial setup friction by automating contract scaffolding and deployment.
- **Architected and wrote Cairo smart-contract build pipelines**, chaining Sierra → CASM compilation and Sepolia testnet deployment scripts, overcoming Starknet's unique compilation workflow.
- **Integrated AI agents** to translate high-level user intents into working Cairo code, enabling users with minimal blockchain experience to launch custom Starknet dApps.
- **Demonstrated at [EthIndia 2024 Hackathon](#)**, iterating under time constraints to deliver a fully functional prototype; identified and documented model-training requirements for future LLM-powered code-generation improvements.
- **Technologies used:** Cairo (Sierra & CASM), Python/Node.js scripting, Starknet Sepolia, AI/LLM integration, GitHub Actions CI/CD.

Boardlify

[View in GitHub](#)

- A collaborative online whiteboarding platform (like Miro) using Next.js and TypeScript, delivering server-side rendering (SSR) and static-site generation (SSG) for fast initial loads.
- **Designed modular, reusable UI components** (Sidebar, Navbar, BoardCard) with Radix UI primitives and styled entirely in Tailwind CSS, enabling a consistent look-and-feel and **5× faster** feature rollout.

- **Integrated Convex for backend-as-a-service**, defining queries, mutations, and actions to power real-time board and dashboard data flows; wired up a local emulator and seamless cloud deploys.
- **Optimized developer DX** with fully typed schemas, `tsconfig.json` path aliases, auto-generated API utilities, and GitHub Actions pipelines—cut onboarding time for new contributors by 50%.

EDUCATION

Bachelor of Technology (B. Tech.) - Computer Science
National Institute of Technology, Durgapur (India)

November 2022 - June 2026

SKILLS

DevOps | Docker | Docker Compose | Kubernetes | CI/CD | GitOps | GitHub Actions | Cloud | AWS |
NodeJS | JavaScript | TypeScript | Backend Development | Bash | Scripting | Linux |
Communication | Leadership | Time Management | Adaptability | Problem Solving | Teamwork |
Creativity