

# Adarsh Jha

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## Education

### Heritage Institute of Technology, Kolkata

Bachelor of Technology in Computer Science and Engineering — CGPA : 9.46

2022 – 2026

Kolkata, West Bengal

## Experience

### [Humane Intelligence](#)

Software Engineer

Sept 2024 – Current

(Work from Home)

- Develop and deploy the various **Red-Teaming** projects on [platform](#)
- Integrate multiple AI model providers
- Implement AI red-teaming features based on client requirements
- Popular Clients: **NIST, IMDA, UNESCO, DoD**
- Technologies Used: NextJS, Vercel, PostgreSQL, Docker, AWS

### 1 Percent Verse

Software Development Engineer Intern

Feb 2024 – May 2024

(Work from Home)

- Built React + TypeScript frontend for an AI-powered career roadmap platform (similar to roadmap.sh)
- Translated Figma designs into production UI, rendering AI-generated learning paths and skill trees
- Designed Supabase-backed REST APIs for user data, progress tracking, and roadmap delivery
- Owned the integration layer wiring AI-generated content into the user-facing application

## Skills

**AI / LLM:** RAG, Prompt engineering, Multi-provider orchestration, Evals and red-teaming, Agentic workflows

**Languages:** TypeScript, JavaScript, Python, Go, C++

**Frontend:** Next.js, React, Tailwind, Shadcn, Framer Motion

**Backend:** Node, Express, tRPC, Convex, Prisma, Redis, WebSockets, GraphQL

**Databases:** PostgreSQL, MongoDB, MySQL

**Infra:** AWS, Docker, Vercel, GitHub Actions, Nginx

## Projects

**Coral Compass** | NextJS, TypeScript, Coral, Gemini, Anthropic, Google APIs | [Link](#) | [Repository](#)

May 2026

- Built an AI focus coach joining GitHub, Google Calendar, and chat pings into one hourly timeline via Coral
- Designed provider-agnostic LLM abstraction (Gemini + Anthropic) with structured JSON insights and fallback parsing
- Implemented focus-score algorithm (0–100) quantifying context switches, refocus tax, and longest uninterrupted block
- Built a Discord data source connector for Coral with cursor pagination and 429 retry handling

**DiffWatch** | NextJS, TypeScript, Gemini AI, Supabase | [Link](#) | [Repository](#)

April 2026

- Built an AI-powered PR review platform generating actionable feedback in <15s
- Designed parallel analysis pipeline for diffs, CI status, vulnerabilities, and bundle impact
- Implemented multi-persona review system (Architect, Security, PM, Intern) with streaming output
- Added code insights: commit history analysis, risk detection, and anti-pattern flagging

**MetaGuard AI** | NextJS, TypeScript, OpenMetadata, Gemini AI | [Link](#) | [Repository](#)

April 2026

- Built an AI-powered data governance copilot for OpenMetadata Hackathon
- Implemented PII auto-classification using Gemini 2.5 Flash; tagged metadata via OpenMetadata APIs
- Developed governance health score (0–100) based on metadata completeness and tagging coverage
- Enabled natural language querying of metadata via AI agent with dynamic API routing