

ABHIJIT BISWAL

☎ +91 7326013393 🌐 abhijitbiswal.xyz ✉ abhijitbiswal1902@gmail.com 💻 [abhijit-biswal](https://abhijit-biswal.github.io) 🔄 [abhijitbiswal1902](https://abhijitbiswal1902.github.io)

Education

Dayananda Sagar College of Engineering

B.E in Computer Science Engineering

2022 - 2026

CGPA: 8.82/10

Experience

DRDO

March 2025 – June 2025

AI Engineer Intern

Hybrid

- Developed and optimized a **responsive React.js frontend** integrated with Express.js APIs, enhancing user experience and accessibility across platforms, resulting in a **35% increase** in session duration.
- Implemented modular UI components and smooth **data visualizations** for AI-generated insights, ensuring seamless state management and consistent cross-device performance.
- Integrated and fine-tuned **LLaMA 2, LLaMA 3, and Phi models**, improving contextual precision by **40%** and enabling adaptive multi-turn dialogue handling through optimized API pipelines.
- Built scalable **inference and data ingestion pipelines** using **LangChain + custom DB**, achieving **95%+ extraction fidelity** and **60% faster retrieval** over **100K+ logs**.
- Engineered backend APIs with **Ollama + Express.js**, sustaining **1,000+ concurrent sessions** at sub-200ms latency via caching, async processing, and load-balanced deployment.

Projects

FleetSync | React JS, Node JS, Tailwind CSS, MongoDB, AWS, Docker, SQL, GitHub Actions

[GitHub](#)

- Architected a **fleet optimization system**, lowering operational costs by **25%** and boosting efficiency across **50+ vehicles**.
- Created a **GoMaps dashboard**, enhancing dispatch accuracy by **30%** with real-time 10m tracking.
- Automated CI/CD via **Jenkins + GitHub Actions**, reducing release time by **90%** and halving deployment errors.
- Scaled operations with **AWS, Docker, SQL**, processing **100,000+ records daily** with zero downtime and improved observability metrics.

Instant Arogya | React JS, Node JS, Tailwind CSS, MongoDB

[GitHub](#)

- Designed a healthcare commerce platform with **500+ tracked products**, providing instant visibility into inventory.
- Integrated REST and Razorpay APIs with geo-location services, completing **100+** transactions in pilot tests with zero errors.
- Introduced an ambulance dispatch module, cutting request-to-response time by **40%** for **100+ users**.

Ollama Chatbot | Ollama, LLaMA 2/3, React.js, SQLite, LangChain, Node.js

[GitHub](#)

- Engineered a **conversational AI platform** with **Node.js + Ollama**, processing **10,000+ queries** at real-time latency below 200ms.
- Delivered a modern frontend using **React.js** and **Tailwind CSS**, leading to a **35%** increase in user session time and enhanced web responsiveness, as a part of a conversational AI platform..
- Enabled structured + unstructured data ingestion via **LangChain**, ensuring **95%+ parsing consistency** across PDFs, spreadsheets, and logs.

Technical Skills

- Languages** HTML, CSS, JavaScript, React.js, Node.js, C, C++
- Database:** MongoDB, MySQL
- Framework & Tools** Express.js, VS Code, Android Studio, Jenkins
- UI/UX:** Canva, Figma, Responsive Design, Accessibility (WCAG)
- Version Control:** Git, GitHub, GitHub Actions,

Achievements and Participation

- Won 2nd prize in HackAventus 2024.
- Hosted **Recursive 2024**, a 24-hour national-level hackathon at DSCE.
- Organized **Clash of Code 2023**, managing 300+ coders.
- Co-Lead of Club **OSCODE DSCE chapter (2023-2026)**.