Dibas Kumar Borborah

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EDUCATION

Indian Institute of Information Technology Lucknow   Aug 2023 – 2025
Master of Science (Msc) Machine Learning and Artificial Intelligence   *CGPA: 9.09*
Dibrugarh University   Jun 2019 – Jun 2022
Bachelor of Science (Bsc Honors) Mathematics   *CGPA: 8.82*

SKILLS

Languages: TypeScript, Python, C++, SQL, HTML/CSS, Golang
Frameworks & Libraries: React, Next.js, Node.js,Hono.js FastAPI, Flask, Tailwind CSS, ShadcnUI, tRPC, Redux, Playwright
AI/ML & Data: PyTorch, scikit-learn, pandas, Hugging Face, LangChain,LangGraph,Mastra AI,AI sdk, ChromaDB, Web Scraping
DevOps & Tools: Git/GitHub, Docker, Kubernetes, AWS (EC2), Nginx, Unix Shell, GitLab CI/CD, Vercel
Databases: PostgreSQL, MongoDB, Redis, Neo4j

PROJECTS

AI-Powered Web Code Editor | *Next.js, Monaco, LLM, Mastra AI, AWS S3, Docker, GitLab CI/CD*   April 2025
- Built a browser-based AI code editor that transforms screenshots (LLaMA-4) or prompts (GPT-4o) into editable HTML/CSS/JS with Monaco live preview.
- Integrated GPT-4o assistant using Vercel AI SDK for contextual suggestions; added image input via S3 and one-click Netlify deployment.
- Dockerized and deployed on AWS EC2 with GitLab CI/CD for seamless integration and delivery.
- GitHub Live Blog

Query X – Perplexity-style AI Answer Engine | *Next.js 15, Chrome Extension, Bee-Queue, Redis, AWS EC2*   Sep 2025
- Engineered a **Perplexity-like AI engine** delivering "quick answers" in under **2 s** by blending Google snippets with an LLM summarizer.
- Developed a **Chrome extension** for "long answers" that deep-scrapes source pages, enqueues processing tasks, and streams real-time LLM syntheses for contextual insights.
- Implemented **Redis-backed background workers** via Bee-Queue for asynchronous LLM processing and deployed them on **AWS EC2** with GitLab CI/CD
- Github Live Blog

EXPERIENCES

Roger AI (YC W24) | *Founding Engineer*   Jun 2025 – Oct 2025
- Engineered a **lead generation platform** using Chrome Extension architecture and **agentic AI workflows**, enabling autonomous prospect discovery and outreach.
- Architected a **multi-agent AI system** achieving a **62% performance gain**, reducing average response time from **60s → 23s** compared to GPT-based research tools.
- Developed internal **analytics dashboards** for tracking client leads, conversions, and sales metrics, improving visibility across the sales pipeline.

Interface Labs | *Full Stack Engineer (Intern)*   Aug 2024 – May 2025
- Spearheaded development of the entire MVP from scratch — translating Figma designs into a responsive Next.js frontend and building robust FastAPI backend services.
- Integrated Amazon Selling Partner (SP) APIs to automate client reporting workflows; implemented scheduled cron jobs for pulling, processing, and persisting SP API reports.
- Delivered production-ready MVPs for early clients like **Plum**, **Mokobara**, and **Azah**, accelerating their onboarding and analytics operations.

Adri AI (YC W23) | *Full Stack Engineer (Contract)*   May 2024 – August 2024
- Led the complete redesign and implementation of the company website, enhancing UX/UI consistency and performance.
- Developed internal tools and dashboards; integrated LLM-powered APIs with a responsive, dynamic frontend stack.
- Designed and tested prompt engineering strategies to improve LLM outputs across use cases like summarization, Q&A, and content generation.

StockInsights | *Frontend Engineer Intern*   Apr 2023 – Sept 2023
- Developed the MVP from Figma to production using React, integrating backend APIs and user-role based views for secure access control.
- Implemented LangChain-powered streaming UI and pagination to enhance UX across data-heavy screens.