

# Dibas Kumar Borborah

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## EDUCATION

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### Indian Institute of Information Technology Lucknow

*Master of Science (Msc) Machine Learning and Artificial Intelligence*

Aug 2023 – 2025

CGPA: 9.09

### Dibrugarh University

*Bachelor of Science (Bsc Honors) Mathematics*

Jun 2019 – Jun 2022

CGPA: 8.82

## SKILLS

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**Languages:** TypeScript, Python, C++, SQL, Golang

**Web:** React, Next.js, Node.js, Elysia.js, FastAPI, Tailwind, ShadcnUI, tRPC, Redux

**AI/Data:** PyTorch, scikit-learn, pandas, Hugging Face, LangChain, LangGraph, ChromaDB, Mastra ai, Vercel ai sdk

**Infra:** Docker, Kubernetes, AWS EC2, Nginx, GitHub/GitLab CI, Vercel

**Databases:** PostgreSQL, MongoDB, Redis, Neo4j

## PROJECTS

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### 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

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### Mavic AI | *Full Stack Engineer*

Nov 2025 – Present

- Built an internal **LLM evaluation dashboard** using **Promptfoo**, enabling prompt engineers to test model outputs against real user queries.
- Designed an **agent-driven prompt optimization pipeline** that auto-improves and versions prompts based on evaluation scores.
- Implemented a **Stripe-backed credit ledger system** for auditability, tracking deposits, cancellations, and usage-based deductions.

### Roger AI (YC W24) | *Founding Engineer*

Jun 2025 – Oct 2025

- Engineered a **lead generation platform** using Chrome Extension architecture and **agentic AI workflows** for autonomous prospecting.
- Architected a **multi-agent AI system** achieving a **62% latency reduction** (60s → 23s) versus GPT-based research tools.
- Built internal **analytics dashboards** to track leads, conversions, and sales funnel performance.

### Interface Labs | *Full Stack Engineer (Intern)*

Aug 2024 – May 2025

- Built the MVP end-to-end, translating Figma designs into a responsive Next.js frontend and FastAPI backend.
- Integrated Amazon Selling Partner APIs with scheduled jobs for automated reporting and analytics workflows.

### Adri AI (YC W23) | *Full Stack Engineer (Contract)*

May 2024 – Aug 2024

- Redesigned and rebuilt the company website and internal dashboards with LLM-powered features.
- Improved prompt engineering strategies across summarization, Q&A, and content generation use cases.

### StockInsights | *Frontend Engineer Intern*

Apr 2023 – Sept 2023

- Developed the MVP from Figma to production using React with role-based access control.