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`

Agentic Movie Recommender Chatbot | *FastAPI, Neo4j, Quadrant, LangChain, LLaMA*   March 2025
- Built a movie chatbot with graph reasoning, semantic search (Jina + Quadrant), and Reddit/Letterboxd integration via Brave Search.
- Used LLaMA + LangChain for NER, Cypher generation, and query routing across Neo4j and Quadrant.
- Deployed on AWS EC2 with SSE-based streaming and GitLab CI/CD.
- `Github Client` `Github Server` `Live` `Blog`

AI-Powered Amazon Product Optimizer | *FastAPI, Next.js, LangChain, PostgreSQL, Docker*   April 2025
- Created a platform to enhance Amazon listings using LLM-based review scraping, sentiment analysis, SWOT, and A/B testing.
- Used LLaMA-4 + GPT-4o agents via LangChain for summarization, copywriting, and competitor-aware listing generation.
- **6K+ Downloads** on PyPI for my Amazon Product Scraper package.
- Containerized backend, deployed on AWS EC2 with GitLab CI/CD and Nginx reverse proxy.
- `Github Client` `Github Server` `PyPI` `Live` `Blog`

EXPERIENCES

Interface Labs | *Full Stack Engineer (Intern)*   Aug 2024 – Present
- 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.