

AFRIDI AKBAR IFTY

AI/ ML ENGINEER

afriakbarifty@gmail.com | Chittagong, Bangladesh | 01788933203 | [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

SKILLS HIGHLIGHTS:

AI/ML & Generative AI: LLM Models (Meta DeepSeek-R1, Gemini, OpenAI) LangChain, Pinecone, Groq SDK/API, Whisper, gTTS, ElevenLabs, RAG, Prompt Engineering, PDF/Image QA, Gradio, Flask, Python

Frontend: React.js, Next.js, TypeScript, Tailwind CSS, Material-UI, Redux, Redux Toolkit

Backend: Node.js, Express.js, MongoDB, Firebase, MySQL, JWT, RESTful APIs, Axios, Stripe

Deployment & Workflow Tools: Netlify, Surge, Vercel, Git, GitHub, Jira, Slack (Agile workflows)

Familiar With: Three.js, Framer Motion, Postman (API testing)

EXPERIENCE:

SOFTWARE ENGINEERING FELLOW

Headstarter AI | USA (Remote) JUL 2024 - OCT 2024

- Built a 3D portfolio using React, Vite, Tailwind CSS, Three.js, React Three Drei, Framer Motion, GSAP, and React Router.
- Implemented interactive UI effects with React Tilt and vertical timelines for enhanced user experience.
- Demonstrated rapid prototyping and problem-solving while delivering high-quality work under deadlines.

FRONT-END DEVELOPER

Growwrr | USA (Remote) Mar 2024 - May 2024

- Developed and optimized 3 React + TypeScript web pages using Tailwind CSS and Animate.css.
- Implemented smooth animations with Locomotive.
- Managed deployments on Vercel and version control with Git/GitHub.
- Delivered updates and improvements on existing projects, consistently meeting deadlines.

PROJECTS

ELAROVA – MEDICAL CHATBOT (GENERATIVE AI)

[GITHUB](#)

Developed a medical chatbot capable of answering queries based on PDF-based datasets using advanced retrieval and generative techniques.

Technologies used:

sentence-transformers==2.2, Langchain, flask, pypdf, python dotenv, pinecone[grpc], langchain-pinecone, langchain_community, langchain_openai, langchain_experimental.

ELARECH – MULTIMODAL VIRTUAL LEARNING ASSISTANT

[GITHUB](#)

voice-interactive assistant that helps students understand visual academic content like diagrams, charts, handwritten notes, and research papers

Key Features: Voice query + image input, image understanding, context-aware answers, dual TTS output, Gradio web interface.

Technologies Used:

Groq API (meta-llama/llama-4-scout-17b-16e-instruct), Whisper, gTTS, ElevenLabs, Gradio, Python.

ELARABRIEFIFY

[LIVE LINK](#) • [GITHUB](#)

An AI-based application that condenses lengthy articles into concise summaries, enhancing user experience by saving time, streamlining information consumption, ensuring clarity and accuracy with advanced AI technologies.

Technology Used: React, Tailwind CSS, Redux, Framer Motion, Rapid API

AI Model: ChatGPT model 4

OOPSFIXER

[LIVE](#) • [GITHUB](#)

OopsFixer is an AI-powered debugging assistant designed to help developers analyze, detect, and fix code errors effortlessly. With its sleek interface and seamless integration with **Gemini flash 2.0** 's innovative technology'

Technologies Used:

React, Tailwind CSS, PrismJS, react-markdown, rehype-highlight, Axios, Node.js, Express.js, CORS, dotenv

AI Model: Google Gemini flash 2.0

EDUCATION

Bachelor of Science in Computer Science and Engineering (Pursuing)
East Delta University, Chittagong

ADDITIONAL EXPERIENCE & AWARDS:

- EDU Engineering Day 2025- [AI Web application\(2nd\)](#)
- EDU Engineering Day 2023- [Idea Presentation \(2nd\)](#)