

Abdullah Al Muhimine (Tousif)

AI/ML & Full-Stack Developer

Bangladesh | [Email](#) | [GitHub](#) | [LinkedIn](#)

Summary

AI/ML and Full-Stack Developer specializing in building intelligent systems and scalable web applications. Experienced in LLM fine-tuning, real-time AI pipelines, and modern full-stack development with Node.js, Next.js, and cloud databases.

Skills

AI & ML: Python, TensorFlow, PyTorch, Scikit-learn, OpenCV

Web Development: HTML, CSS, JavaScript, TypeScript, React.js

Frameworks & Tools: Node.js, Express, Next.js, LangChain, LangGraph, Streamlit

Databases: MongoDB, Supabase, PostgreSQL, SQL

Cloud & DevOps: Vercel, Render, Git, GitHub

Projects



Flood Forecasting Chatbot

Tech Stack: Python, LangChain, Gemma2:2B, Scikit-learn, Node.js, Visual Crossing API, MongoDB

Description: Hybrid AI chatbot for real-time flood forecasting. Uses custom ML model and LLM for natural conversation.

Highlights:

- Hybrid AI: ML + LLM integration
- Real-time weather-based reasoning
- Forecast validation with training dataset references

Metrics: 90% accuracy

Demo: [Link](#) | [GitHub](#)



Physics Chatbot

Tech Stack: Python, LLaMA-Factory, LangChain, Node.js, React

Description: Intelligent assistant solving and explaining physics problems with step-by-step derivations.

Highlights:

- Custom fine-tuned LLM via LLaMA-Factory

- Node.js API for scalable inference
 - Step-by-step explanation
- Metrics:** Handles 500+ physics concepts
GitHub: [Link](#)
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Data Structure Learning LLM

Tech Stack: Python, LangChain, Node.js, React, MongoDB, Supabase, Multi-Agent Models, MCP Servers

Description: AI-powered tutor teaching and visualizing algorithms interactively.

Highlights:

- LLM explains code, logic, and algorithm behavior
- Real-time data structure visualization
- Interactive learning for stack, queue, tree, graph

Metrics: Used by 200+ students

GitHub: [Link](#)

Bouncy Book Store

Tech Stack: React, Node.js, Express, MongoDB

Description: Full-stack bookstore with dynamic cart, product search, and authentication.

Highlights:

- Secure JWT authentication
- Modular Node.js API
- Real-time inventory & cart management

Metrics: Built for 1000+ concurrent users

Demo: [Link](#) | [GitHub](#)

Education

(You can fill in your degree, university, and years here)

Contact

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