

Muhiu Din

Islamabad, Pakistan

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SUMMARY

Full-Stack Developer and AI Engineer specialized in MERN, Next.js, and Python-based ML systems. Experience integrating AI agents with real-world tools via MCP and REST APIs, deploying ML models through FastAPI, and shipping production-ready web applications. Seeking roles at the intersection of software engineering and applied AI.

TECHNICAL SKILLS

Languages	JavaScript, TypeScript, Python, C++, PHP
AI / ML	Machine Learning, Deep Learning, AI Agents, MCP (Model Context Protocol), LangChain, FastAPI, DVC, Anaconda
Frontend	React.js, Next.js (App Router, SSR, SSG), Tailwind CSS, Redux, WordPress
Backend & APIs	Node.js, Express.js, FastAPI, REST APIs, Auth.js, Firebase, n8n Automation
Databases	MongoDB, MySQL, Supabase, Mongoose
Cloud & DevOps	AWS, Docker, GitHub Actions (CI/CD), Vercel
Tools	Git, GitHub, Postman, VS Code, MySQL Workbench, Antigravity, Claude Code

EXPERIENCE

Back-End AI Engineering Intern

Jul 2026 – Present

FlyRank AI · Remote

- Completing structured training in AI agent architecture, Model Context Protocol (MCP), and backend API design as part of applied engineering tasks.
- Working on backend integrations connecting AI agents to external APIs and real-time web search for grounded, tool-augmented responses.

Full Stack Development Intern

Jun 2026 – Jul 2026

Developers-Hub Corporation · Remote

- Architected a production-ready Next.js application, improving load times and SEO through SSR and metadata optimization.
- Integrated reusable component libraries and maintained CI/CD pipelines for continuous deployment.

Web Development Intern

Jun 2025 – Aug 2025

Khuda Hafiz · Onsite

Islamabad, Pakistan

- Improved front-end load speed by **20%** by building a dynamic Next.js interface with SSR, lazy loading, and structured metadata.
- Delivered **2** pixel-perfect, responsive pages across Agile sprints alongside senior engineers.

PROJECTS

Shipped 6+ full-stack MERN/Next.js applications end-to-end, from database schema to deployment. Highlights below.

Student Pass Predictor & AI Study Agent | *Python, Scikit-learn, LangChain, FastAPI, React.js*

- Delivered an early-warning advising tool that predicts pass/fail risk with **87% accuracy** and auto-generates a personalized improvement plan, combining a Scikit-learn classifier with a LangChain agent pipeline.
- Exposed predictions through a FastAPI backend integrated with a React dashboard for real-time student feedback.

Automated Fact-Checking & Claim Verification System | *Python, LangChain, FAISS, BM25, NLI (DeBERTa), FastAPI, Next.js*

- Built the LLM query-rewriting and explanation-generation modules and configured the NLI stance-detection model for a hybrid-retrieval fact-verification system (BM25 + FAISS + cross-encoder reranker).
- System achieved **74% accuracy** and **85% precision** on a 100-claim benchmark from the FEVER dataset; shipped a Next.js interface for real-time claim submission and verdict display.

GetMeAChai – Creator Funding Platform | *Next.js, MongoDB, Stripe, Tailwind CSS*

- Built a fan-funding platform letting creators publish a support page and collect payments from fans via Stripe, each accompanied by a custom message, with secure Auth.js sessions and a responsive UI.

EDUCATION

BS in Artificial Intelligence

Air University

2024 – 2028 (Expected)

Islamabad, Pakistan

CERTIFICATIONS

- AI Fluency – Anthropic
- DataCamp: AI Engineer for Developers (Associate)
- DataCamp: AI Engineer for Data Analysts
- DataCamp: Supervised Machine Learning
- DataCamp: Unsupervised Machine Learning
- DataCamp: Deep Learning
- DataCamp: CI/CD
- AWS PartyRock AI Builder (4 projects)