

Syed Zain Afaq

Full-Stack Developer • AI / GenAI Engineer

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PROFILE

Full-Stack Developer and Computer Science graduate who builds AI-powered, production-grade web applications across React, TypeScript, Node.js, Django, and FastAPI. Hands-on with Generative AI — Retrieval-Augmented Generation (RAG), LLM agents, and the Model Context Protocol (MCP) — with a track record of building fast and turning complex requirements into scalable, intelligent products.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, PHP, C++, SQL

Frontend: React.js, React Native, Next.js, Redux Toolkit, Tailwind CSS, HTML/CSS, GSAP

Backend: Node.js, Express, Django, FastAPI, REST APIs, JWT Auth

AI & GenAI: LangChain, LangGraph, LlamaIndex, RAG, Agentic AI, MCP, Groq, Google Gemini, OpenRouter, Hugging Face, ChromaDB

Machine Learning: TensorFlow, Scikit-learn, Pandas, NumPy, MediaPipe, Deep Learning

Databases: PostgreSQL, MongoDB, MySQL, SQLite

Tools & DevOps: Docker, Git & GitHub, Vercel, Payload CMS

EXPERIENCE

SystemsLimited | Frontend Developer (Intern)

May2026–July2026

- Onboarded onto the frontend stack within the first week, mastering React.js fundamentals and team best practices.
- Built a fully functional e-commerce web app in React, emphasizing reusable components and clean state management.
- Translated requirements into responsive UIs; extended into TypeScript and Redux through hands-on project.

TechStack Digital | Full-Stack Developer

Jun2025–Mar2026

- Promoted from intern to full-time developer; contributed to client projects and the flagship HR product (HRApp).
- Built and optimized scalable features end-to-end using React on the frontend and Django on the backend.
- Worked in a Dockerized, Git-based workflow and shipped content-driven pages with Payload CMS.

Tech Accuracy | Frontend Developer (Intern)

Aug 2024–Oct2024

- Developed responsive, animated marketing sites using HTML, CSS, JavaScript, and GSAP.
- Improved UI/UX across multiple client sites including TrueTech Terminal, PEPSI B2C, and Volka Foods.
- Implemented interactive animations and optimized front-end performance.

PROJECTS

BlastRadius — Agentic ML Lineage Impact Agent • Python, Groq (Llama 3.3 70B), DataHub MCP Server

Jul 2026 – Aug 2026

- Built a production-grade agent that traces ML/data lineage through DataHub's MCP Server, surfacing the downstream impact of schema and model changes before they break pipelines.
- Designed an agentic tool-calling loop powered by Groq-hosted Llama 3.3 70B for fast, iterative reasoning over lineage graphs and dependency chains.
- Solved integration challenges wiring the MCP server's tool interface into the agent's reasoning loop for reliable, real-world lineage queries.

Web-Scraping RAG Chatbot • Python, LangChain, Google Gemini, ChromaDB

Jan 2026

- Engineered a full-stack RAG pipeline in LangChain that dynamically scrapes web content and indexes it in ChromaDB using local Hugging Face embeddings.
- Integrated Google Gemini with custom conflict-detection logic to flag contradictions across sources and keep answers strictly context-bound.
- Delivered nearly accurate, real-time responses grounded in live site data rather than the model's general knowledge.

AI-Powered Code Reviewer • React, Node.js, Express, MongoDB, Gemini 2.0 Flash

Apr 2025

- Built a full-stack MERN platform (React, Node.js, Express, MongoDB) for automated, instant code review.
- Integrated the Google Gemini 2.0 Flash API to generate context-aware bug fixes, optimization tips, and code-quality feedback.
- Designed the platform to scale review requests across multiple languages with low-latency responses.

OptiFit AI — AI Fitness App (Final Year Project) • React Native, Expo, Python, AI/ML

Aug 2024 – May 2025

- Built a cross-platform fitness app in React Native backed by a Python Django Ninja API for AI-driven training features.
- Implemented AI-generated, personalized workout and nutrition plans that adapt to user goals, fitness level, and progress.
- Added AI-powered exercise form analysis with real-time technique-correction suggestions to improve training safety. Built progress-analytics dashboards surfacing performance trends and health insights from workout history.

EDUCATION

IBA | M.S Data Science

Aug 2026–Present

FAST NUCES | B.S.ComputerScience

Sep 2021–Jun 2025

Nixor College | A-Levels

Aug 2019–Jun 2021

CERTIFICATIONS

Certified AI Engineering Masterclass — School of AI (Udemy) · **Data Science Bootcamp** — DataCrumbs · **Agile Project Management** — Udemy