

Shoaib Akhtar

Bachelor of Technology, IIT Roorkee
Graduating 2026
Full Stack & AI Engineer
Roorkee, India

+91-9125216099
✉ shoaibakmasood@gmail.com
🐙 GitHub
🌐 LinkedIn
🐦 X / Twitter

TECHNICAL SKILLS

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

Backend & Infra: Node.js, Express, FastAPI, Gin, Docker, AWS (EC2, ECS, ECR, S3, Lambda, RDS, DynamoDB, VPC, IAM, Route 53, CloudFront, SNS, Amplify), Azure, Redis, BullMQ, Apache Kafka, GitHub Actions, Vercel

Frontend: Next.js, React, React Native, Tailwind CSS, shadcn/ui, HTML, CSS

Databases: PostgreSQL, MongoDB, MySQL, Firebase, Qdrant, Pinecone

Applied AI: LangGraph, LangChain, LangSmith, Pydantic AI, RAG pipelines, vector search, embeddings, agentic workflows, LLM evaluation, prompt engineering

Interests: Full-Stack Development, Applied AI, Forward-Deployed Engineering, DevOps

EXPERIENCE

•Full Stack AI Engineer

Mar 2025 - Present

Medmitra AI

Remote (India)

- Sole engineer on the core AI product, owning end-to-end delivery of a clinical AI platform deployed in live hospital environments and working directly with doctors and admins to translate ambiguous workflows into shipped product.
- Designed a microservices backend with FastAPI, Node.js, and a Go WebSocket relay supporting real-time AI workflows, with p95 latency under 250ms on core endpoints.
- Built a multi-agent system on LangGraph orchestrating 5+ specialized agents for clinical task automation, with structured handoffs and tool-use for downstream EMR actions.
- Shipped a production RAG pipeline on self-hosted Qdrant over hospital-specific clinical documents, with chunking and retrieval tuning that meaningfully improved answer relevance for end users.
- Implemented LLM-as-a-Judge evaluation pipelines for response observability, enabling automated regression checks on prompt and model changes before each release.

•Founding Engineer

Jul 2024 - Mar 2025

StyleSync

Remote (US)

- Built a social-commerce mobile app (React Native + Node.js/Express) from scratch as the founding engineer, shipping core feeds, profiles, and media-heavy interactions for early users.
- Deployed on AWS (EC2, S3, Lambda) for scalable media storage and event-driven processing; integrated Stripe for payments and creator monetization.
- Designed REST APIs and integrated zero-shot object detection (Grounding DINO) to identify products from images, powering content-aware product recommendations.
- Stack: AWS (EC2, S3, Lambda, Route 53), React Native, Node.js, Express, MongoDB, Stripe.

•Chrome Extension & Full Stack Intern

Jun 2024 - Jul 2024

ConcertPal

Remote (US)

- Built a Chrome extension aggregating ticket prices across 6 ticketing platforms, surfacing the cheapest option directly inside the user's existing browsing flow.
- Optimized backend APIs and PostgreSQL queries on AWS (EC2 + RDS), reducing core endpoint latency by 100ms.
- Implemented a cron-based price tracker and a React-based injected UI that rendered directly inside supported ticketing sites.
- Stack: AWS (EC2, RDS), React, Node.js, Webpack, PostgreSQL.

•Full Stack Web Development Intern

Jan 2024 - Jun 2024

Flomoney Pvt. Ltd.

Remote (Singapore)

- Built core backend services on Node.js/Express with Redis caching, taking average API latency on hot paths under 100ms.
- Shipped a no-code chatbot builder where users upload documents (Azure Blob) and get an ML-backed conversational agent, with a React/Next.js frontend for configuration.
- Containerized services with Docker on Azure Container Apps and set up CI/CD with GitHub Actions, cutting deployment turnaround time meaningfully.
- Stack: Azure (Blob, Container Apps), Docker, React/Next.js, Node.js, PostgreSQL, MongoDB.

PERSONAL PROJECTS

•SyncAgent

2026

Autonomous AI scheduler that calls participants, negotiates availability, and resolves conflicts.

- Built an agent that handles concurrent calls to multiple participants, using LLM-based transcript analysis to parse vague spoken responses (“maybe Tuesday afternoon”) into structured candidate time slots.
- Designed a 3-phase conflict resolution engine that searches across participant slot combinations to find a feasible meeting time within a configurable scheduling window.
- Architected an event-driven pipeline with BullMQ workers and Socket.io for real-time status propagation to the frontend, keeping per-participant scheduling latency low.
- Stack: Next.js, Express, TypeScript, PostgreSQL, BullMQ, Redis, Socket.io, Ollama.

•QueryMind

2025

Natural-language analytics layer over GA4 + SEO data using a LangGraph multi-agent setup.

- Designed a multi-agent pipeline (GA4 agent, SEO agent, fusion agent) that classifies user intent and routes natural-language questions to the right data source.
- Integrated the GA4 Data API and Google Sheets crawl exports, translating free-form questions into structured API calls with automatic substitution of deprecated metrics.
- Built a dual-LLM setup with a LiteLLM proxy and Gemini fallback, with retry logic and graceful degradation under provider rate limits.
- Stack: Python, FastAPI, LangGraph, LangChain, GA4 API, Google Sheets API, LiteLLM, Gemini.

•Email Classifier

2024

Gmail-integrated classifier that organizes inbox into spam, promotions, jobs, social, and important.

- Implemented OAuth-based Gmail access for secure retrieval of user emails without storing credentials.
- Built a MIME-aware parsing layer to extract clean email content across plain-text, HTML, and multipart messages.
- Trained and deployed a classification model that buckets incoming mail into 5 categories for inbox triage.
- Stack: Python, OAuth, scikit-learn, MIME parsing.

EDUCATION

•Bachelor of Technology

2022 - 2026

Indian Institute of Technology Roorkee

Roorkee, India

•Intermediate (Class XII)

2019 - 2021

Jawahar Navodaya Vidyalaya, Kushinagar (U.P.)

Percentage: 86.80%

•Secondary (Class X)

2017 - 2019

Jawahar Navodaya Vidyalaya, Kushinagar (U.P.)

Percentage: 92.40%

RECOGNITION

•Featured on 100xDevs Podcast with Harkirat Singh

Apr 2025

- Featured as an IIT Roorkee student building a path through AI and full-stack internships via self-learning, shipping, and networking. [\[Watch\]](#)