Shivam Shukla

Agentic AI — Backend Engineering

Portfolio | GitHub | LinkedIn | Email | +91 8887780625 | India

Summary

AI Engineer and Backend Developer focused on **AI agents, LLM workflows, and backend systems**. B.Tech Computer Science (2026) with hands-on experience in **Java, Spring Boot, REST APIs, PostgreSQL, Docker, AWS, and Supabase**. Builds production-oriented AI applications by keeping **LLM extraction separate from deterministic application logic**.

Work Experience

AI/ML Intern **Oct 2026 – Present**
Nexvia Technologies Remote

- Contributing to real-world AI and Machine Learning projects; involved in engineering workflows, tools, collaboration, documentation, and professional software practices.

Software Engineer Intern **Jul 2025 – Sep 2025**
Soft Pro Noida, India

- Developed backend REST APIs using **Java 17, Spring Boot 3, MVC, OOP, MySQL, and Hibernate ORM**; optimized API workflows contributing to approximately **20% lower response time**.
- Implemented global exception handling, tested APIs with Postman, and resolved **15+ backend defects**.

Projects

Yojna Setu — AI Agent **Java 21, Spring Boot 3, Groq, Twilio, PostgreSQL, Docker, AWS | 2026**
GitHub

- Built a conversational WhatsApp AI agent (Groq + Twilio) with a **hybrid architecture**: LLM extracts demographics only; a **deterministic Java rule engine** evaluates eligibility across **82 welfare schemes** using exact enum matching and multi-criteria rules (prevents LLM hallucination on decisions).
- Implemented Spring Boot REST APIs, Supabase PostgreSQL, backend validation, rate limiting, Docker containerization with docker-compose, and **42 automated tests** (42/42 passing).

ShivSastra — Digital HQ **Next.js, Supabase, PostgreSQL, Razorpay | 2026**
Live: jiosi.online | GitHub

- Built and deployed a full-stack platform with portfolio, project CMS, authenticated admin system, digital store, contact workflow, and AI assistant.
- Implemented **PostgreSQL RLS, authentication, API validation, rate limiting**, and server-side payment verification architecture.

QuickEats — Ordering Platform **Java, Spring Boot, PostgreSQL, React, Docker | 2025**
GitHub

- Built a full-stack ordering platform with **Spring Boot REST APIs**, React, PostgreSQL, and order workflows; implemented **JWT authentication, ownership validation, and server-side price validation** (ignores client prices, recalculates from DB) with **71 executable tests** and GitHub Actions CI.

Technical Skills

Backend: Java, Spring Boot, REST APIs, Hibernate ORM, MVC, OOP
AI: Agentic AI, LLM Integration, Tool Calling, Groq API
Databases: PostgreSQL, MySQL, SQL, Supabase
Cloud & DevOps: AWS, Docker, CI/CD, Cloud Deployment, Linux
Tools: Git, GitHub, Postman, Maven

Education

Shri Ram Murti Smarak College of Engineering, Technology & Research **Bareilly, India**
B.Tech, Computer Science and Engineering — **70%** 2022 – 2026
Affiliated to Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow

Nav Jeevan Mission School **Kushinagar, India**
Senior Secondary, CBSE — **70%** 2021

Certifications

AWS Cloud Practitioner Essentials — AWS Training & Certification
Advanced Software Engineering Job Simulation — Walmart Global Tech (Forage)