NITISH KUMAR SINGH

AI Engineer · Agentic AI & RAG Systems

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LINKS

Portfolio
nitish.online

LinkedIn
linkedin.com/in/nitish-ai-engineer

GitHub
github.com/Cod4Nitish

SKILLS

AI systems
AI agents · Multi-agent systems · RAG pipelines · LangChain · LangGraph · OpenAI API · Google Gemini API · Claude

Languages
Python · TypeScript · JavaScript · Java · SQL · C# · C++

Backend
Node.js · Express.js · NestJS · FastAPI · Spring Boot · REST APIs · Microservices foundations

Databases
PostgreSQL · Supabase · MongoDB · MySQL · ChromaDB (vector)

Frontend
React.js · Next.js · HTML5 · CSS3 · Tailwind CSS · Responsive web design

Delivery
Git · GitHub · Vercel · GitHub Actions · CI/CD fundamentals · Docker fundamentals

Security
JWT · Spring Security · Authentication

Core CS
Data Structures & Algorithms · OOPs · DBMS · Operating Systems · Computer Networks

EDUCATION

B.Tech, Computer Science & Engineering (Artificial Intelligence) · CGPA: 7.5
Noida Institute of Engineering and Technology (NIET), Greater Noida (AKTU)
Aug 2024 – Sept 2027

Diploma in Electrical Engineering
Government Polytechnic, Garhwa, Jharkhand (JUT, Ranchi)
2021 – 2023

CERTIFICATIONS

Certificate of Accomplishment
HackerRank

SQL (Intermediate) Certification
HackerRank

Prompt to Product: The AI Feature Blueprint
Shri Ram College of Commerce (SRCC)

Certificate of Participation in Bytewars
Department of Commerce, Delhi School of Economics, University of Delhi

Hands-on Workshop of IGNITRON '25
Maharaja Agrasen Institute of Technology, Delhi

PROFILE

AI Engineer focused on agentic systems: multi-agent workflows, RAG pipelines, and the APIs and web apps around them. Currently an AI Agentic Intern with a private startup team, building multi-agent systems, AI automation, and microservice foundations designed to scale to 1,000+ users. Won four awards at hackathons and community events in 2026, including 3rd of 350 at TinyHacks: Bounty Edition and three Claude and Cerebras community wins in Bhopal, and ships public products end to end with Python (FastAPI), TypeScript, Next.js, and LangGraph.

EXPERIENCE

AI Agentic Intern · Private startup team
Jul 2026 – Present

- Building multi-agent systems and specialised AI agents for confidential company products.
- Developing production-ready RAG pipelines, AI automation, and API backends.
- Laying microservice foundations designed to scale to 1,000+ users.

AWARDS

- ★ **3rd place** — TinyHacks: Bounty Edition, Greater Noida (1 Nov 2026) · solo web-agent hackathon, 3rd of 350 participants · $18 prize and TinyFish credits
- ★ **Winner, Team GLITCH** — Claude Community Impact Lab, Bhopal (2026) · awarded Claude Pro / Max access
- ★ **₹11,000 prize** — Fable 5.1 Claude Community Build Day, Bhopal (2026) · built and presented in person
- ★ **Quiz Winner** — Cerebras Cafe Compute Meetup, Bhopal (Sep 2026) · 2,500 Cerebras credits and winner cup
- ★ **Participant** — Smart India Hackathon (SIH) 2025

SELECTED PROJECTS

ForgeMind · AI software-engineer agent **Live** | **GitHub**
Next.js, TypeScript, LangGraph, LangChain, Claude, Vercel

- Built an AI software-engineer agent that triages GitHub issues and coordinates Jira and Slack work through Swytchcode, so important work does not get missed.
- Orchestrated the agent workflow with LangGraph and Claude in a Next.js + TypeScript app deployed on Vercel.

MRStay AI · Agentic real-estate platform
Next.js, NestJS, FastAPI, LangChain, ChromaDB, Gemini

- Multi-agent platform for lead qualification, property recommendations, customer support, and follow-up workflows.
- Property knowledge retrieval through a RAG pipeline (LangChain, ChromaDB, Gemini) served by NestJS and FastAPI services.

Bhumi Help · Bilingual civic-tech RAG assistant **Live**
Python, FastAPI, RAG, Claude

- Answers MP Bhumi Vikas Rules, 2012 questions in Hindi or English with the rule number, verified text, and the exact official PDF page.
- Declines instead of guessing when the rules do not cover a question; built with Team Nirmaan at Bhopal Impact Lab 2026 (Track 1).

DropMorph · Cross-platform file converter **Live** | **GitHub**
C#, .NET, Avalonia, GitHub Actions

- Shipped a free, offline drag-and-drop converter for 254 formats on Windows, macOS, and Linux (v1.12.0); nothing is uploaded.
- Automated CI and releases with installers, portable builds, and a checksum-verified one-command install script.

CallbackCV · AI résumé / ATS checker **Live**
TypeScript, LLM APIs

- AI résumé and ATS-review product for Indian freshers that turns a résumé into role-aware feedback and a clear next step.