NITISH KUMAR SINGH

AI Engineer · Agentic AI & RAG Systems

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SUMMARY

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.

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.

TECHNICAL 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

AWARDS & ACHIEVEMENTS

- **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

EDUCATION

Noida Institute of Engineering and Technology (NIET), Greater Noida (AKTU) Aug 2024 – Sept 2027

B.Tech, Computer Science & Engineering (Artificial Intelligence) · CGPA: 7.5

Government Polytechnic, Garhwa, Jharkhand (JUT, Ranchi) 2021 – 2023

Diploma in Electrical Engineering

CERTIFICATIONS

- **Certificate of Accomplishment** — HackerRank, Jun 2026
- **SQL (Intermediate) Certification** — HackerRank, Jun 2026
- **Prompt to Product: The AI Feature Blueprint** — Shri Ram College of Commerce (SRCC), Feb 2026
- **Certificate of Participation in Bytewars** — Department of Commerce, Delhi School of Economics, University of Delhi, Nov 2025

- **Hands-on Workshop of IGNITRON ’25** — Maharaja Agrasen Institute of Technology, Delhi, Nov 2025
- **TATA Crucible Campus Quiz 2025** — Unstop, Nov 2025