

MITUL BHATIA

AI / Full-Stack Engineer — Agentic Systems & LLM Infrastructure

+91 76686 46665 | mitul.bhatia2024@nst.rishihood.edu.in | [LinkedIn](#) | [GitHub](#) | [X](#) | [LeetCode](#) | [Codeforces](#)

EDUCATION

B.Tech, Artificial Intelligence — Newton School of Technology, Rishihood University 2024 – 2028

CGPA: 9.80 / 10.0 (through Semester 4) | Currently in Semester 5 | Sonapat, Haryana

Class XII, Shri Chetanya TechnoSchoo — 80.2% | Class X, St. Joseph Academy — 95.2%

EXPERIENCE

Software Developer Intern — Kolably Jul 2026 – Sep 2026

Remote | Creator–business collaboration platform

- Work as a backend-focused engineering intern at an early-stage startup building a platform that connects local businesses with nearby content creators, contributing directly alongside the founding team.
- Handle API development, feature implementation, and bug fixes on a live product, following the team's security and confidentiality practices for source code and customer data.

AI Agents Lead — Raindeer.social Jun 2026 · 1 Month

Remote | AI-agent social media platform (Delhi)

- Worked on the AI agent layer of a 10-agent orchestration system (built with CrewAI and LangGraph) that autonomously researches, drafts, designs, and schedules social media content for businesses.
- Contributed to agent orchestration and pipeline logic spanning the research, content-generation, and scheduling stages during a focused one-month engagement with the founding team.

AI Studio — Newton School of Technology 2025 – 2026

- Selected for the college's competitive AI Studio cohort, gaining dedicated GPU compute access to design, build, and deploy real-world AI systems.
- Used the infrastructure to prototype and ship agentic and RAG pipelines as part of coursework and independent projects.

PROJECTS

AEGIS — Multi-Agent AI Security & Guardrail Engine

[GitHub](#) · [Demo](#)

- Built an autonomous 7-agent security pipeline that detects, exploits, patches, and validates software vulnerabilities without human intervention, using FastAPI, LangChain, and Sengrep static analysis.
- Added real-time AST policy evaluation and prompt-injection guardrails inside Docker containers, cutting security triage latency to under 24ms with 99.8% injection recall.

FLATELY — Real-Time Roommate & Housing Matching System

[GitHub](#) · [Demo](#)

- Built a real-time housing and roommate matching web app with multi-factor preference scoring and low-latency state delivery, using React 19, Redux Toolkit, and Express 5.
- Scaled WebSocket workers horizontally with Redis Pub/Sub to handle concurrent chat traffic at under 45ms sync latency and 94.2% match precision.

Agrovers — AI-Powered Soil & Crop Intelligence Assistant Dec 2025

[GitHub](#) · [Demo](#)

- Built an AI assistant that turns raw soil inputs into crop and fertilizer recommendations for low-connectivity, low-literacy users, using FastAPI, LangChain, and FAISS-based RAG with multi-stage validation — improving recommendation reliability by 35%.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL

AI / Agentic Systems: LangGraph, LangChain, RAG Pipelines, LightRAG/GraphRAG, ChromaDB, Groq API, Anthropic Claude API, Hugging Face

Backend & Infra: FastAPI, Node.js/Express, PostgreSQL, MongoDB, MySQL, Redis, Supabase, Docker

Frontend: Next.js, React, Redux, Tailwind CSS

Tools: Git/GitHub Actions, Claude Code, Obsidian, Ollama (local LLM tooling)

CERTIFICATIONS

Tata Data Visualisation: Empowering Business with Effective Insights — Forage Job Simulation Jan 2026

- Newton School of Technology x Rishihood University — built dashboards and analytical questions for executive decision-making from raw datasets.

ACHIEVEMENTS & EXTRA-CURRICULAR

- Competitive Programming: LeetCode rating 1400+, Codeforces rating 900+.
- Hacktoberfest Contributor: Resolved issues and submitted reviewed pull requests to open-source projects under real collaboration standards.
- Hackathon (Mumbai Hacks): Built and presented rapid prototypes under tight deadlines, focused on problem framing, MVP design, and execution.