

KRIKESH RAJPUROHIT

Applied AI and Agentic AI Learner | Geography and Geology Graduate | Research · Teaching · Prompt Engineering
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SUMMARY

M.Sc. Geography (2026, 75.72%) and B.Sc. (Hons.) Geology (Hansraj College, University of Delhi) graduate, pursuing IIIT Bangalore's Executive PG Programme in Applied AI and Agentic AI (online, expected Mar 2027). Combines earth-science and development research with the design of multi-step AI workflows on Claude. Has taught competitive-exam students since college, and prepared for UPSC, RAS and UGC-NET alongside a B.Sc. and an M.Sc.

EDUCATION

Executive Post Graduate Programme in Applied AI and Agentic AI, IIIT Bangalore Jul 2026 – Mar 2027 (expected)

- Online, delivered by upGrad. Coursework completed: Programming for ML and AI (Python, NumPy, pandas, Matplotlib, EDA). In progress: Machine Learning and Deep Learning; MLOps and Production Systems.
- Upcoming (from Nov 2026): LLMs and RAG, AI System Design, Agent Frameworks (LangChain, LangGraph), two capstones.

M.Sc. Geography, Indira Gandhi National Open University (IGNOU), 75.72% 2023 – 2026

- Dissertation: "Tribal Poverty in Southern Rajasthan: A Case Study on Bhil Tribes" (presented Sep 2025).

B.Sc. (Hons.) Geology, Hansraj College, University of Delhi (CGPA 8.32/10) 2018 – 2021

- Studied Calculus, Linear Algebra, Remote Sensing and GIS, Hydrology, Geomorphology; field trip, Dehradun-Mussoorie.

Class XII (CBSE): 89.4% · Class X (CBSE): CGPA 10/10 2018 · 2016

RESEARCH AND PROJECTS

Research Paper (in preparation): Water Poverty Index of the Bhil Tribal Region, Banswara 2026

- Working title "Interlinking Poverty and Human Development"; target: a Scopus-indexed journal by Dec 2026.
- Began field interviews asking residents how their water conditions have changed over time (Sep 2026); reviewing literature and selecting secondary groundwater and poverty datasets for GIS and ML analysis.

AI Workflow Design: "Journal Mode" Planning and Progress-Tracking Workflow (Claude) Sep 2026

- Designed a multi-step workflow on Claude that routes free-text daily updates (English, Hindi or Hinglish) into 26 topic branches, tags each entry by type, and keeps separate plan, log and knowledge ledgers.
- Specified its decision protocol (GO / GO WITH CHANGES / PARK / DROP), a listening mode that asks whether the user wants advice or just to be heard, and five scheduled check-ins.

Prompt System and LLM Content Conversion for a Planned Education Brand (Claude) Sep – Oct 2026

- Designed, with Claude, a versioned master prompt (about 130,000 characters) compiled from personal planning documents and handwritten notes, with 12 task modes that turn one source into Q&A notes, scripts and platform posts.
- Turned a Geography PDF into about 2,200 Q&A pairs with Claude; ran an extraction prompt on about 150 page photos.

TEACHING AND EXAM PREPARATION

Tutor, Competitive Exams (informal, then paid; independent) 2018 – Present

- Since college, taught friends and tutored 5 to 20 competitive-exam students; now teach fee-paying students.
- Teach each topic from its prerequisites up: fill in beginner background first, then explain step by step.

Civil Services and UGC-NET Preparation (self-directed) 2018 – 2026

- Prepared UPSC General Studies (polity, economy, history, geography, environment, current affairs) alongside a B.Sc. and an M.Sc.; appeared for UPSC Civil Services Prelims (2021, 2022, 2026) and RAS Prelims (2021, 2023, 2025).
- Cleared CUET PG (selected for M.Sc. Geology, Central University of Punjab), Rajasthan PTET and Rajasthan CET, all in 2024.
- Appeared for UGC-NET Geography from 2025; qualified for PhD admission (PhD-only category) in more than one session.

SKILLS

- Domain: geology, physical and human geography, development and poverty research, field questionnaires
- GIS and remote sensing: QGIS georeferencing; vector maps of India and Rajasthan to village level; watershed, river and mountain-peak maps; basic NDVI with Landsat, Sentinel and DEM data
- AI: prompt engineering, multi-step AI workflow design, Claude
- Programming and data (basic level): Python (NumPy, pandas, Matplotlib), SQL, Excel
- Research and teaching: literature review, note-taking, teaching presentations, step-by-step explanation
- Languages: English, Hindi

INTERESTS

- Ideas: linking philosophy and psychology with mathematics, physics, chemistry and biology
- Stories and screen: story writing, film-making; books and films of every genre, especially self-help books
- Hands-on: sketching, painting, cooking, gardening, Rajasthani safa (turban) tying
- Practice: Vedic chanting, flute, badminton; learning new skills and teaching them