

Chirag Singhal

Tutor — Programming · JEE/Maths · English · JEE Advanced AIR 11870 · B.Tech CSE Rank 1

Ghaziabad, India · +91 74284-49707 · chirag@oriz.in · github.com/chirag127 · linkedin.com/in/chirag127 · oriz.in

SUMMARY

JEE Advanced 2020 AIR 11870 (top 1%, 1M+ aspirants). B.Tech CSE college topper (Rank 1), AKTU. I tutor programming (Python, JavaScript, web dev, data structures), JEE/CBSE mathematics, and spoken/written English. I learn by building real things, so I teach that way — concrete projects and problems over memorisation. Patient, structured, results-focused. Available for 1-on-1 and small-group sessions, flexible scheduling. Rate: \$15–40/hr.

TUTORING SUBJECTS & APPROACH

Programming: Python (beginner to intermediate — variables, loops, functions, OOP, projects), JavaScript and web development (HTML/CSS/JS, React fundamentals), data structures & algorithms (arrays, linked lists, trees, sorting, searching), beginner-friendly intro to AI/ML concepts

Mathematics: JEE Advanced / JEE Main preparation (Algebra, Calculus, Coordinate Geometry, Probability, Vectors, 3D), CBSE 11th/12th Mathematics, school/competitive maths, problem-solving strategies

English: spoken English fluency, written communication (emails, essays, reports), grammar, vocabulary, exam preparation (IELTS/TOEFL concepts)

Teaching philosophy: explain first principles, not shortcuts; build real mini-projects in coding sessions; use past papers and worked examples in maths; structure each session with a clear goal and a takeaway exercise

CREDENTIALS — WHY TRUST MY TEACHING

- **JEE Advanced 2020** — All India Rank 11870 (top 1% of 1M+ aspirants). Cleared both JEE Main and JEE Advanced. Deep working knowledge of IIT-JEE Mathematics and the competitive-exam mindset.
- **B.Tech CSE, AKTU (2020–2024)** — College Topper, Rank 1. Covered algorithms, data structures, operating systems, databases, software engineering, and applied mathematics at degree level.
- **Senior Secondary (CBSE)** — 97%. Strong foundation across Maths, Physics, Chemistry, and English.
- **Claude Certified Associate — Foundations**, Anthropic (2026). Fluent in modern AI tools — can teach students how to learn with AI productively rather than depend on it.
- **20+ technical courses** (Udemy Business via TCS) — AI/LLM, Machine Learning, Python, Agile. Keeps teaching current.

WHAT I BUILD (SHOWS I KNOW THE MATERIAL)

agent-forge · Python · multi-agent · 67 tests

[chirag127/agent-forge](#)

- Multi-agent LLM framework in Python: planner/executor/critic, JSON-schema tool-calling, provider failover, LLM-as-judge eval suite. Demonstrates advanced Python and system design.

rag-lens · Python · RAG · information retrieval

[chirag127/rag-lens](#)

- Production RAG pipeline: dense search, BM25, RRF fusion, reranking, FastAPI. Shows Python at depth.

oriz.in · Astro · React · TypeScript · 10+ live tools

[oriz.in](#)

- Family of free web tools built solo end-to-end — web dev, APIs, deployment. Living proof of full-stack teaching material.

Clear-Thought MCP Server · 36★ · TypeScript

[chirag127/Clear-Thought-MCP-server](#)

- Open-source TypeScript project with real-world GitHub usage — good teaching example for TS/Node.js students.

PROFESSIONAL EXPERIENCE

Software Engineer — Tata Consultancy Services

Bhubaneswar · Jun 2025 – Present

- Enterprise software engineering on SAP CPQ; Python automation, React dashboards, CI/CD, Agile team.

Software Developer — Full Stack — QRsay.com

Remote · Jul 2023 – May 2025

- Full-stack food-commerce platform: Python, Node.js, MongoDB, Kafka, Redis, Razorpay.

QUALIFICATION

B.Tech, Computer Science & Engineering — AKTU
• **College Topper, Rank 1.** Senior Secondary (CBSE) — 97%.
JEE Advanced 2020 — All India Rank 11870 (top 1%).
Claude Certified Associate — Foundations, Anthropic (2026).

Uttar Pradesh · 2020 – 2024