

SAMARTH KUMAR KUCHYA

AI Engineer

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SUMMARY

AI Engineer with two production internships, building AWS Bedrock pricing pipelines, RAG systems, and agentic AI applications. Qualified GATE 2026, Oracle Agentic AI Associate, and Microsoft Azure Fundamentals certified. Experienced in Python, LLM Orchestration, REST APIs, and production AI integrations.

EDUCATION

Technocrats Institute of Technology Excellence, Bhopal , 2022 - 2026
Bachelor of Technology, Computer Science Engineering — Specialization in AI/ML - CGPA : 7.8/10

St. Paul's Higher Secondary School, Katni (M.P.)
Senior Secondary (CBSE Class XII) - 78.4% , Mar 2022
Secondary (CBSE Class X) - 81.8% , Mar 2020

INTERNSHIPS / EXPERIENCE

SDE Intern, TrueFoundry, Bangalore, India - Certificate , Jun 2025 - Dec 2025

- Built a cron job data pipeline to extract AWS Bedrock models pricing data eliminating manual updates and improving data accuracy and reliability by 97%.
- Migrated old python SDK APIs to the new Python SDK reducing the latency by 20%.
- Participated in code reviews and contributed to improving backend for the AI Gateway platform and code quality.

AI Automations Intern, Codematics Solutions LLP, Delhi, India - Certificate , Jun 2024 - Dec 2024

- Built a Multi threaded desktop app for windows and mac to smoothly execute campaigns.
- Engineered Selenium-based marketing automation, reducing manual effort requirements by 80% for complex campaign execution.

Data Science Bootcamp, Coding Blocks, Remote, India - Certificate , Oct 2023 - Apr 2024

- Built 10+ Machine learning and Deep learning models from scratch using scikit-learn and keras.
- Gained proficiency in Python and core data analysis tools, also fine-tuned ResNet and YOLO through hands-on, project-based learning.

PROJECTS

Dev Buddy - Agentic AI App Generator [Live Demo](#) | [GitHub](#) | [Video](#)

- Built a multi-agent AI application generator using LangGraph with Planner, Architect, and Coder agents, supporting Gemini, Groq, and Ollama via a provider-agnostic LLM factory.
- Generates production-ready project structures with sandboxed code execution and one-click ZIP export, cutting scaffolding time from hours to minutes.

Chat With PDF [Live Demo](#) | [GitHub](#)

- Developed a full-stack RAG application using LangChain and Gemini for interactive, natural-language PDF querying.
- Integrated a vector database to accelerate semantic search across document content.

Telegram News Bot [Live Demo](#) | [GitHub](#)

- Crafted a Telegram bot delivering real-time top-5 news updates via automated retrieval.
- Used Google Dialogflow for intent recognition and Gnewsclient for automated news retrieval.

TECHNICAL SKILLS

Languages	Python • Java • TypeScript • JavaScript (basic)
AI/GenAI	LangChain • LangGraph • MCP • LLM API • Production RAG • Vector DB • Hugging Face • Knowledge Graph • Query Routing • A2A • Guardrails • LangFuse • Tool Binding • ReAct Agent • Mem0 • Checkpointing • Human In The Loop
Backend	REST APIs • Flask • FASTAPI • Kafka • Redis • JWT • Streamlit • Ssqlalchemy (ORM)
Database	SQL • SupaBase • PostgreSQL
ML/DL	Numpy • Pandas • Matplotlib • Scikit learn • Keras • NLP • OpenCV • Seaborn
Tools	GitHub • Postman • Cursor • Linux • Git • Docker • Azure

CERTIFICATIONS & ACHIEVEMENTS

- **Microsoft Certified: Azure Fundamentals**, Microsoft
- **Oracle Agentic AI Foundation Associate**, Oracle
- **Logic League**, TIT Bhopal — 4th rank among 60 candidates
- **Innovation Day**, TIT-E Bhopal — 1st rank among 15 teams
- Reached the semi-final round of Bank of Baroda (BOB) Hackathon 2024 — selected among the top 20 teams
- **Data Science and GenAI Workshop**, upGrad
- Qualified GATE 2026 (Computer Science)