

TANUJ RAJPUT

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SKILLS

- **Programming:** Python, C++, C
- **Frameworks & Libraries:** LangChain, LangGraph, FastAPI, CrewAI, PyTorch, Django, scikit-learn, Pandas, Numpy
- **Tools/Platforms:** LangSmith, Docker, Git, n8n, Streamlit, Jupyter Notebook, VS Code
- **Databases:** MongoDB, MySQL, Vector Databases (FAISS, ChromaDB)
- **AI & Machine Learning:** RAG, AI Agents, Prompt Engineering, LLM Integration, Supervised Learning
- **Backend & APIs:** REST APIs, API Integration, Model Deployment, Authentication & Session Management

EXPERIENCE

SaralOne | AI Automation & Chatbot Development Intern — May 2026 - Present

- Building a WhatsApp AI Lead Qualification System to automate lead engagement and qualification workflows.
- Developing conversational AI flows to capture, score, and route leads based on user responses.

Metry AI Inc. | AI Intern — Dec 2025 - Mar 2026

- Developed AI-powered appointment booking chatbots for salon and beauty SMBs using LangGraph and FastAPI
- Implemented conversational flows to handle new bookings, cancellations, rescheduling, and general user queries, ensuring secure handling of user data in compliance with data privacy best practices

RELEVANT PROJECTS

PocketPaw (OpenSource) | Contributor — Mar 2026 - May 2026

- Contributed bug fixes and code quality improvements to PocketPaw, an autonomous AI agent project on GitHub
- Had 2 pull requests reviewed and merged into the main branch, improving codebase stability

SynthraAI – Multi-agent Research System | [Github](#)

- Built a multi-agent AI system using LangGraph with Planner, Search, Critic, Refiner and Writer agents.
- Implemented human-in-the-loop and iterative refinement for improved research quality.
- Added secure session memory using MongoDB with encrypted multi-session conversation storage to ensure data privacy compliance
- Integrated LangSmith tracing and monitoring to debug multi-agent workflows and analyze execution timelines.
- Developed an interactive Streamlit UI with real-time streaming output over HTTPS, implementing secure communication and user authentication controls

FindMyGadget – AI-Powered Smart Gadget Recommendation Assistant | [findmygadget.shop](#)

- Built an AI agent using LangGraph, LangChain and Gemini LLM to recommend gadgets from natural queries
- Implemented budget and category extraction, securely managed Amazon API credentials, and handled product retrieval with encrypted API key storage
- Designed JWT-based authentication and session management in FastAPI, enforcing role-based access controls and data privacy policies

EDUCATION

Panjab University | Bachelor's of Engineering, Computer Science & Engineering (GPA: 8.02) | 2024 - Present