

KRISHNA TAYAL

AI & AUTOMATION ENGINEER / AGENTIC SYSTEMS / APPLIED AI

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PROFILE

CSIT undergraduate and AI & Automation Intern at I3C, IIT Jammu, building reliable agentic applications, n8n workflow systems, multimodal AI pipelines, voice and messaging integrations, and research-led product prototypes. Experienced in turning ambiguous requirements into tested workflows, structured outputs, human approval controls, reproducible testing and technical documentation.

TECHNICAL SNAPSHOT 15 systems | 2 capstones | 8 notebooks | 5 assignments | 14 credentials

EXPERIENCE

AI & Automation Intern - I3C, Indian Institute of Technology Jammu | Summer School 2026

- Completed approximately 180 hours of applied work across generative AI, LLM agents, prompt design, Python, multimodal pipelines, workflow automation, responsible AI, testing and technical communication.
- Built two final capstones with source code, tests, 11 coordinated AI/automation components, architecture diagrams, presentations, demonstrations and structured submission packages.
- Completed and documented 8 Python day notebooks, 5 digital assignments, bots, integrations, reusable templates, research work and 14 verified course credentials.
- Applied schema validation, deterministic fallbacks, secret management, human approval gates, audit trails and reproducible offline demonstrations across project packages.

FLAGSHIP PROJECTS

AI Customer Support Automation | n8n · PostgreSQL · Docker · Gemini

- Designed 5 coordinated workflows with 25 nodes for ticket intake, duplicate prevention, structured AI triage, priority and skill routing, customer updates, escalation and SLA analytics; packaged schema, diagrams, deck, demo and validation evidence.

AI Customer Success Manager | Python · Agents SDK · SQLite · Pydantic · pytest

- Implemented 6 specialist agents and 8 tools for deterministic account-health scoring, churn-risk analysis, intervention planning, persistent memory and approval-gated actions, with online/offline paths and 4 passing tests.

Nadi Rakshak & SuccessAI | Civic technology · Responsible AI · Product design

- Designed explainable, human-reviewed product concepts for river-pollution accountability and early student support, including UX flows, risk controls, data models, prototype views and presentation evidence.

ADDITIONAL TECHNICAL PROJECTS

Automation & conversational AI: Telegram AI Command Bot; Vapi voice assistant; ElevenLabs conversational workflow; automated content publishing; 10 reusable n8n templates.

Bots, interfaces & multimodal AI: Secure Gradio + Slack bot; Telegram + AI Pipelines bot; Hugging Face text, image, audio and video pipelines.

Agents, data & coursework: CrewAI Career Roadmap Team; Clay AI company research; 8 executed Python notebooks; 5 executed digital assignments; 10 Hugging Face apps; first-day multi-tool AI exploration.

Documentation & delivery: Technical reports, architecture diagrams, demonstrations, presentations, reproducible project packages and checksum-verified submissions.

ENGINEERING EVIDENCE

- Validated the two capstones through 4 passing Python tests, 5 importable n8n workflows with 25 nodes, structured database schemas, Docker instructions, local dashboards, API demonstrations and narrated walkthroughs.
- Prepared evaluator-ready artifacts with credential-safe code, screenshots, architecture diagrams, presentation decks, version-controlled source code and a comprehensive internship report.

EDUCATION, CREDENTIALS & RECOGNITION

B.Tech - Computer Science & Information Technology | Dronacharya Group of Institutions · AKTU · 2024-2028

Relevant foundation: data structures and algorithms, object-oriented programming, databases, operating systems and computer networks.

Verified learning: 7 Anthropic / Claude credentials; 4 n8n Academy certificates; Hugging Face Agents and LLM courses; LangChain Essentials - Python; IIT Jammu AI & LLM Summer School 2026.

LEADERSHIP & COMMUNICATION

- Led an international product team spanning India, Sri Lanka and Nigeria to first place at the TETRVerse International Startup Hackathon (2025), coordinating product direction and delivery under a 24-hour deadline.
- Translated technical systems into structured case studies, architecture diagrams, presentations, narrated demonstrations and evaluator-ready documentation; author of How We Built AI and former Tier-1 competitive esports player.

TECHNICAL TOOLKIT

AI & agents: OpenAI Agents SDK, Gemini, Claude, Hugging Face Transformers, LangChain, CrewAI, prompt design, tool calling, structured outputs.

Automation & integrations: n8n, Vapi, ElevenLabs, Telegram, Slack, Gradio, webhooks, REST APIs, OAuth, JSON and workflow routing.

Programming & engineering: Python, Java, JavaScript, TypeScript, React, Next.js, Node.js, Tailwind CSS, PostgreSQL, SQLite, Git, Docker, pytest and technical documentation.