



Murad Hasil

AI Automation Engineer & Full-Stack Developer

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🔗 murad-hasil-portfolio-v2-xi.vercel.app

📄 SUMMARY

AI Automation Engineer and Full-Stack Developer with 2+ years of experience building autonomous AI systems, RAG-powered chatbots, and production-grade web applications. Specialized in OpenAI Agents SDK, MCP (Model Context Protocol), FastAPI, and cloud-native Kubernetes deployments — backed by two Panaversity Hackathon wins (1,600+ points).

Built systems that replace manual work at a fraction of human cost — from 24/7 omnichannel AI customer support agents to autonomous personal AI employees.

Available 36–40 hrs/week for worldwide freelance engagements.

🧠 SKILLS

AI & Agents: OpenAI Agents SDK · Groq · Gemini API · RAG Systems · MCP · Qdrant · LangChain

Backend Development: Python · FastAPI · SQLAlchemy · PostgreSQL · REST APIs · Kafka

Frontend Development: Next.js 16 · React 19 · TypeScript · Tailwind CSS · Framer Motion

DevOps & Cloud: Docker · Kubernetes · Helm · GitHub Actions · Vercel · Hugging Face Spaces

Automation: n8n · Playwright · Python Scripting · Webhook Integrations

📁 PROJECTS

CRM Digital FTE — Omnichannel AI Customer Success Agent 🌐 ,
OpenAI Agents SDK · FastAPI · PostgreSQL · Kafka · Kubernetes · Qdrant

- Autonomous AI agent handling Gmail, WhatsApp, and web forms simultaneously
- Operates at < **\$1,000/year vs \$75,000/year human FTE (≈98% cost reduction)**
- P95 response time under 3 seconds
- 95%+ cross-channel identity resolution
- Kubernetes HPA for auto-scaling

Todo App → Cloud-Native AI Agent (5-Phase Evolution) 🌐 ,
Python · Next.js · FastAPI · Kubernetes · Kafka · Dapr · GitHub Actions

- Panaversity Hackathon II — 1,000 base + 600 bonus pts
- Zero manual coding — every line generated by Claude Code from written specs (spec-driven development)
- Evolved from a Python CLI app into a full cloud-native AI agent
- Natural language task management powered by OpenAI Agents SDK
- Full CI/CD pipeline using spec-driven development across five phases

Personal AI Employee — Autonomous Digital FTE 🌐 ,
Claude Code · Python · MCP Servers · Gmail API · Playwright · Obsidian

- 24/7 autonomous AI agent managing personal and business workflows
- 85–90% cost savings compared to a human virtual assistant
- Human-in-the-loop safety workflow
- Automatically generates weekly **“Monday Morning CEO Briefing”** reports

Physical AI & Humanoid Robotics Textbook (Panaversity Hackathon I — 250 pts) 🌐 , *DocuSaurus v3 · FastAPI · LangChain · Qdrant · Groq LLaMA 3.3 70B · Neon PostgreSQL · GitHub Pages*

- Built a **13-week AI-native curriculum platform** covering ROS 2, Gazebo, NVIDIA Isaac Sim, and a Vision-Language-Action (VLA) capstone project
- Developed an integrated **RAG chatbot** enabling “highlight → ask AI” interaction with ~180 vector embeddings (LangChain + Qdrant + Groq LLaMA 3.3 70B)
- Implemented **hardware-aware personalization** across three environments: RTX workstation, Jetson edge kit, and Unitree G1 robot
- Added **one-click Roman Urdu translation** to improve accessibility for Pakistani learners
- Successfully delivered all **Hackathon I bonus features**, including JWT authentication, personalization engine, and multilingual support

🌐 LANGUAGES

English

Urdu



PROFESSIONAL EXPERIENCE

Self-Employed — AI Automation Engineer & Full-Stack Developer,

Karachi, Pakistan | 2023 – Present

- Built 4 production-level AI projects including Kubernetes-deployed agents, RAG chatbots, and autonomous AI systems from scratch
- Developed AI automation systems achieving **85–90% cost reduction** compared to human alternatives
- Completed multiple GIAIC hackathons demonstrating end-to-end system architecture and implementation
- Delivering solutions focused on automation, scalability, and real-world deployment



EDUCATION

Board of Intermediate Education

Karachi [🌐](#),

Private Intermediate, (Science Group)

Blessing Star Academy, Karachi [🌐](#),

Matriculation, (Science Group)

Applied AI & Cloud-Native

Development (2023 – Present) [🌐](#),

Governor Initiative for AI, Web3 & Metaverse (GIAIC)