

Abdullah Athar Malik

Full-Stack Developer | Agentic AI Specialist | CS Scholar

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

Professional Summary

Highly motivated Agentic AI Engineer and Full-Stack Developer with a focus on autonomous workflows and AI-Driven Development (AIDD). Expertise in building scalable applications using the OpenAI Agent SDK, n8n, and Python. Expanding into Cloud-Native AI with Docker and Kubernetes for enterprise-grade solutions. Proven record of academic excellence in Computer Science and a deep passion for Physical AI and robotics integration.

Technical Skills

AI & Agents:	OpenAI Agent SDK, OpenAI Agent Kit, MCP Servers, Langfuse, Mem0, RAG, Agentic Workflows, n8n, Google AI Framework, AI-Driven Development (AIDD)
Programming:	Python (Static Typing), TypeScript, JavaScript, SQL
Web / Backend:	Next.js 15, React, FastAPI, Node.js, Tailwind CSS, Supabase, PostgreSQL, Kafka
DevOps & Tools:	Docker, Kubernetes, GitHub Actions (CI/CD), Cursor, Claude Code, Gemini CLI, Qwen, Figma, AntiGravitySpec
Core CS:	Data Structures, Algorithms, Database Management

Key Projects

Digital FTE – Abdullah Junior | [Code](#)

- Designed a high-autonomy AI agent system acting as a Digital Employee that manages personal and business affairs 24/7 with self-evolving capabilities.
- Integrated multi-model intelligence with MCP Servers for extensible tool use and autonomous decision-making.

Tech: Python, FastAPI, Gemini AI, Claude AI, MCP Servers

Customer Success Digital FTE | [Code](#)

- Built an AI-powered customer support agent handling inquiries 24/7 across Email, WhatsApp, and Web channels with intelligent escalation.
- Implemented event-driven architecture with Kafka for real-time message processing and PostgreSQL for persistent storage.

Tech: Python, FastAPI, OpenAI GPT-4, PostgreSQL, Kafka

Physical AI Platform | [Code](#)

- Architected an interactive educational hub for Humanoid Robotics and Physical AI with 43+ runnable Python modules.
- Developed a RAG-powered chatbot using Pinecone for vector search to assist AI learners.

Tech: Docusaurus, React, OpenAI, Pinecone, Tailwind

Autonomous Voice Assistant | [Code](#)

- Engineered a privacy-focused voice agent with Picovoice wake-word detection and long-term semantic memory via ChromaDB.
- Integrated local LLM control for autonomous system-level task automation.

Tech: Python, Gemini API, Whisper, ChromaDB, Picovoice

AI Code & Agent Assistant

- Built a multi-model coding agent that streamlines debugging and code optimization using OpenAI Agent SDK with Mem0 for user-specific context retention and Langfuse for observability.

Tech: Python, OpenAI Agent SDK, Chainlit, Langfuse, Mem0

Portfolio Website | [Live](#) | [Code](#)

- Created a modern, responsive portfolio with smooth animations, dark mode, AI-powered contact form, and live GitHub activity integration.

Tech: Next.js 15, TypeScript, Tailwind CSS, OpenAI

Education

Intermediate (ICS) – Computer Science | 2024 – Present

- Result (Part 1): 493 / 560 Marks (88%) – High Merit.

Matriculation – Computer Science | 2022 – 2024

- Result: 1,126 / 1,200 Marks (94%) – Distinction Level.

Achievements & Certifications

- **Panaversity Certified Agentic AI Engineer:** Specialized in Cloud-Native AI and autonomous systems.
- **Open Source Contributor:** Actively maintaining 7+ public repositories and tools for the developer community on GitHub.
- **Academic Excellence:** Consistently ranked among the top students in board examinations.