

Abdullah Athar Malik

Full-Stack Developer | Agentic AI Specialist | CS Scholar 🇵🇰 Bahawalpur, Pakistan | ☎ +92 304 0705172

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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**. 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, Model Context Protocol (MCP), Langfuse, Mem0, RAG, Agentic Workflows, n8n Automation.
- **Programming:** Python (Static Typing), TypeScript, JavaScript, SQL.
- **Web Tech:** Next.js 15, React, FastAPI, Node.js, Tailwind CSS, Supabase.
- **DevOps & Tools:** Docker, Kubernetes, GitHub Actions (CI/CD), Cursor, Claude Code, Gemini CLI.
- **Core CS:** Data Structures, Algorithms, Database Management.

Key Projects

Physical AI Platform | [Link](#)

- Architected an educational hub for Humanoid Robotics and Physical AI.
- Developed a **RAG-powered chatbot** and 40+ runnable Python modules for AI learners.
- *Tech:* Next.js, OpenAI, Pinecone, Tailwind.

Autonomous Voice Assistant | [Link](#)

- Engineered a privacy-focused voice agent with wake-word detection and **long-term semantic memory**.
- Integrated local LLM control for system-level task automation.
- *Tech:* Python, Gemini API, Whisper, ChromaDB.

AI Code & Agent Assistant

- Built a multi-model coding agent that streamlines debugging and code optimization using **OpenAI Agent SDK** and **Mem0** for user-specific context retention.
 - *Tech:* Python, Chainlit, Langfuse.
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Education

Intermediate (ICS) – Computer Science | 2024 – Present

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

Matriculation – Computer Science | 2022 – 2024

- **Result:** 1126 / 1200 Marks (**94%**) – **Distinction Level.**
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Achievements & Certifications

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