



Muhammad Tayyab Ilyas

► Ideation to Production – Agentic AI · MCP Servers · EdTech · Linux DevOps

AI Agent Engineer

★ Published MCP Server

LLM Orchestration

PhD @ UAB Barcelona

Full-Stack + Linux DevOps

Open Source Contributor

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PROFESSIONAL PROFILE

I take AI products from **ideation to production** — designing multi-agent orchestration systems, publishing MCP servers, and deploying full-stack apps on Linux infrastructure. With a **PhD in Educational Technology at UAB Barcelona** and 10+ years bridging education and technology, I bring both technical depth and pedagogical insight to every AI system I build.

10+ YEARS IN EDTECH

1 PUBLISHED MCP SERVER

5+ AI PROJECTS LIVE

EXPERIENCE

AI Agent Developer / Open Source Contributor

2025–Present

OpenClaw — Open Source AI Platform

- Multi-LLM orchestration architecture — Claude, GPT, Gemini, DeepSeek
- Agent routing for intelligent task delegation and context-aware model switching
- Published Cheema Text-to-Voice MCP Server on mcpservers.org

Founder & CEO — PakEdX

2022–Present

AI-Powered EdTech Platform · pakedx.com

- Full-stack platform on Ubuntu/Linux — Nginx, Docker, end-to-end deployment
- Agentic AI pipelines for personalised learning and content generation

PhD Researcher — Educational Technology

2022–Present

Universitat Autònoma de Barcelona (UAB) · Spain

- Pedagogical Digital Competence of University Teachers · DigiComp framework
- Mixed-methods: 127 surveys + 32 interviews · Supervisor: Dr. C. Mercader

Education Manager & Instructional Designer

2013–2022

Various Educational Institutions · Pakistan

- Teacher to Curriculum Designer to Education Manager · STEAM pedagogy · 9 years

FEATURED PROJECTS

Cheema Text-to-Voice MCP Server

LIVE on mcpservers.org

Free, open-source MCP server — local TTS + voice cloning for Claude Desktop, Claude Code & n8n. No API keys. No cloud. 5 voices, 4 languages, MIT licensed.

Python · MCP Protocol · NeuTTS · MIT License

MultiLLMChat — Multi-LLM Orchestration

Intelligent routing across Claude, GPT, Gemini, DeepSeek with context-aware model switching.

Python · LangGraph · OpenAI API · Claude API

AI_Teacher — Personalised Math Education

Generates, grades and delivers personalised feedback on mathematics problems via AI.

Python · Flask · scikit-learn · NLP

PUBLICATIONS & RESEARCH

Pedagogical Digital Competence in Higher Education

Mixed-methods study · DigiComp framework validation · University of Gujrat
Published in high-impact EdTech journal · Google Scholar · Cited

AI Integration in University Teaching Practices

Qualitative study · 32 semi-structured interviews · Barcelona, 2024
Supervisor: Dr. Cristina Mercader · UAB Doctoral Programme

TECH STACK

AI & AGENTIC SYSTEMS

LLM Orchestration · MCP Protocol · Agentic AI · LangGraph · CrewAI · n8n
OpenAI API · Claude API · Gemini API

DEVELOPMENT

Python · Flask · REST APIs · SQL · Git

DEVOPS & INFRASTRUCTURE

Ubuntu Server · Linux · Nginx · Docker · systemd

DATA & ML

Pandas · NumPy · Scikit-learn · Jupyter

RESEARCH & EDTECH

Mixed Methods · DigiComp · Analytics · Curriculum

EDUCATION

PhD — Educational Technology

Universitat Autònoma de Barcelona

2022–Present · Barcelona, Spain

MSc — Data Security & Networking

University of Education, Lahore

BSc — Physics & Mathematics

University of Education, Lahore

LANGUAGES

English ●●●●●
Urdu ●●●●●
Spanish ●●●●●

NOTABLE ACHIEVEMENTS

Published MCP Server

Listed on mcpservers.org — the official Anthropic MCP registry

PhD Research Published

High-impact EdTech journals · Google Scholar citations

Open Source Contributor

OpenClaw multi-LLM orchestration architecture

SCAN & CONNECT



Website



LinkedIn



GitHub



MCP