

Muhammad Rayyan Mohsin

mo.rayyan2002@gmail.com · +92 333 9312013 · Rawalpindi, Pakistan

linkedin.com/in/rayyan-mohsin · github.com/Muhammad-Rayyan-Mohsin · trycook.ai

EXPERIENCE

AI Engineer · ClientAcquisition.io

Nov 2025 — Present

Remote (Montreal)

- Building AI products at a growth company serving 2,000+ clients across 13+ industries scaling to \$50K–\$100K+/month.
- Shipping on TryCook.ai — a full-stack AI operating system with specialized LLM agents for sales, content, ads, and CRM, powered by Claude, OpenAI, Gemini and the Mastra agent framework.
- Building The Truth Engine (research.trycook.ai) — an agentic market-research platform that reverse-engineers competitors, identifies high-intent markets, and generates 7-figure offer blueprints in seconds.

AI Engineer · Remoto Co.

Apr 2025 — Nov 2025

Remote (Spain)

- Implemented Multi-Armed Bandits and reinforcement learning on hierarchical Facebook ad data with forecasting models to predict and improve ROI.
- Built a Job Engine for the German market aggregating listings via APIs and search-AI agents into a unified discovery platform.
- Delivered AI automations that streamlined operations and drove measurable business impact across multiple client accounts.
- Developed a web app that digitalized solar surveys in the UK by integrating the Google Solar API for site planning and yield estimation.

AI Intern · LMKR

Jul 2024 — Sep 2024

Islamabad, Pakistan

- Implemented deep-learning models in TensorFlow and PyTorch, reaching 87% accuracy on custom datasets.
- Deployed YOLO-based computer vision pipelines for real-time object detection at 45 FPS.
- Built NLP models for sentiment analysis and language understanding with 92% precision.
- Applied transfer learning to cut training time by 60% across multiple downstream tasks.

AI Research Fellow · Bytewise

Jun 2024 — Jul 2024

Islamabad, Pakistan

- Researched transformer architectures, deep-learning optimization, and neural architecture search for intelligent systems.

SELECTED PROJECTS

Meta Ads Manager [trycook.ai](#)

Full-stack Facebook/Instagram ad system powered by an LLM agent with 40+ tools that autonomously creates campaigns, generates creatives, and optimizes performance through natural-language conversation. OAuth with Meta Graph API, real-time analytics (ROAS, CTR, CPC), an automated rules engine, and audience targeting with reach estimation — workspace-scoped with encrypted token storage, Redis caching, and rate-limit handling.

Agent Memory — AI Research Intelligence [live](#)

Agentic research platform with autonomous agents that scrape Reddit, YouTube (with transcript extraction), and web sources to generate market-research reports via GPT-4o-mini. Semantic duplicate detection over OpenAI embeddings and a RAG system with vector search for natural-language queries across past research. PDF export, Supabase with Row-Level Security, AI-generated topic suggestions.

TenCount — Boxing Analytics [arbisoft.ai](#)

Automated boxing analysis that processes fight footage through a 3-model pipeline to classify punches with biomechanical precision. Fine-tuned YOLOv11m for two-fighter detection with identity persistence, YOLOv8m pose estimation mapping 17 keypoints per fighter per frame, and an AttentionBiLSTM classifier over 51-dim keypoint sequences across 30-frame windows. Recognizes 6 punch types and extracts wrist velocity, elbow-angle delta, and shoulder rotation for objective performance analytics.

Launchable — AI Demo Video Studio [live](#)

Conversational tool that generates studio-quality demo videos in under 60 seconds from a chat prompt — founders describe their product and the system auto-composes multi-scene videos with professional pacing, motion, and typography. Real-time preview that re-renders as you talk, natural-language editing ("make scene two slower"), brand-consistent theming, and exports to 1080p MP4 or embeddable links.

SKILLS

PRODUCTION Python, TypeScript, Next.js, Node.js, PostgreSQL/Supabase, Redis, LLM agents (Claude, OpenAI, Gemini, Mastra), RAG & vector search, OAuth integrations (Meta Graph, Google), n8n.

WORKING PyTorch, TensorFlow, YOLO, transformer architectures, multi-armed bandits / RL for marketing, forecasting, computer vision, NLP, fine-tuning.

EDUCATION

National University of Computer and Emerging Sciences

2022 — 2026 · Islamabad

B.S. Data Science