

Mazen Alowaibdi

AI Engineer · Machine Learning Engineer · Automation Engineer · AI Specialist

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Open to: Full-time · Contract · Remote · On-site (Saudi Arabia)

PROFESSIONAL SUMMARY

AI Engineer with a BSc in Artificial Intelligence (University of Jeddah, 2025) and a license from the Saudi Council of Engineers. Designs and deploys production AI systems — Telegram bot ecosystems, multi-agent workflows on the **Claude API**, n8n automation pipelines, and deep learning models trained on 10,000+ medical images. Combines hands-on Python engineering with applied machine learning to ship intelligent systems that run live in production, integrate with real business operations, and deliver measurable operational impact.

PROFESSIONAL EXPERIENCE

Artificial Intelligence Specialist · Mr Chart Training Center 2025 — Present

- Architected and deployed a production-grade Telegram Bot ecosystem (Python + SQL) supporting multi-step workflows, persistent user state, and database-backed business logic — running live and handling daily operations for real users.
- Engineered end-to-end n8n automation pipelines that eliminated hours of repetitive manual work — integrating CRMs, messaging platforms, and external APIs into zero-touch sequences with real-time data processing and webhook-driven triggers.
- Integrated Claude API and multi-agent workflows into production systems — implementing prompt architecture, tool use, and reasoning chains that power intelligent decision support and automated content processing for live business operations.
- Designed modular system architecture with clean separation of concerns across automation, AI, and bot subsystems — enabling rapid feature delivery, maintainability, and reliable concurrent execution at production scale.

TECHNICAL SKILLS

AI & Machine Learning:	Deep Learning, CNNs, Computer Vision, NLP, Transfer Learning, Medical Image Analysis, Statistical Modeling, Model Evaluation, Optimization Algorithms, Scikit-learn, PyTorch, TensorFlow
LLMs & AI Agents:	Claude API, Anthropic SDK, Large Language Models (LLMs), Generative AI, AI Agents, Agentic AI, Multi-Agent Systems, Prompt Engineering, MCP Servers, Tool Use, Reasoning Chains, RAG, LLM Integration
Bot Engineering:	Telegram Bot API, Conversational Workflows, State Management, Database-Backed Logic, User Onboarding, Webhook Handlers, Long-Polling, Inline Keyboards
Automation & Workflow:	n8n, Workflow Architecture, Process Automation, RESTful APIs, API Integration, Webhooks, Cron Scheduling, Data Transformation, ETL Pipelines, System Orchestration
Programming & Data:	Python (advanced), SQL, JavaScript, HTML, CSS, Pandas, NumPy, Jupyter, Data Visualization, Backtesting, Financial Data APIs, Stock Analysis
DevOps & Tooling:	Git, GitHub, Docker, Linux, VS Code, Claude Code, Server Management, Deployment, Production Monitoring, Version Control

KEY PROJECTS

Telegram Bot Ecosystem (Production)

Production bot system supporting multi-step business workflows, persistent state, and database-backed logic — handling live user interactions for daily operations.

Python · Telegram Bot API · SQL · Workflow Automation

n8n Automation Systems

Multi-workflow automation suite connecting CRM, messaging, and data systems via webhooks and API integrations — zero manual intervention, continuous uptime since deployment.

n8n · REST APIs · Webhooks · Workflow Architecture

CNN Colon Cancer Detection

Trained a deep convolutional neural network on 10,000+ histology images for binary classification of colon cancer — optimized for both accuracy and inference speed.

Python · TensorFlow · CNNs · Medical Imaging

U.S. Stock Analysis Platform

Full-stack financial analysis web platform with real-time market data, AI-powered screening, technical indicators, and advanced charting tools built for serious traders.

Python · Financial Data APIs · AI Analysis · Data Visualization

Claude & AI Agent Engineering

Production AI agent workflows on Claude API — prompt architecture, multi-agent orchestration, MCP server integration, and reasoning chains deployed in live systems.

Claude API · Claude Code · Agent Orchestration · Prompt Engineering

AI Logistics Route Optimization

Graduation project — applied machine learning to the Traveling Salesman Problem to optimize delivery routing, measurably reducing route distance and travel time.

Python · Machine Learning · Optimization · Route Planning

EDUCATION

Bachelor of Science in Artificial Intelligence

2025

University of Jeddah — College of Computer Science & Engineering

- Licensed by the Saudi Council of Engineers — Accredited AI Specialist.

CERTIFICATIONS

Cybersecurity Bootcamp · CompTIA A+ (IT Fundamentals, Hardware, Networking, Operating Systems) · Security+ (Network & Information Security)

LANGUAGES

Arabic — Native · English — Professional Working Proficiency