

Muhammad Aatir

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SUMMARY

AI Developer and Engineer with 2+ years of hands-on experience building AI systems in Python, spanning machine learning, deep learning (TensorFlow, PyTorch, Scikit-learn), and LLM-based agents (OpenAI, LangChain, RAG, vector databases). Comfortable across the full model lifecycle, from data preparation and model training to deployment via APIs, Docker, and cloud platforms (AWS, Hugging Face Spaces, Railway, Vercel, Render). Strong problem-solving mindset with certifications in applied AI, machine learning, and prompt engineering, and a track record of delivering production AI solutions for clients in healthcare, insurance, real estate, and eCommerce. Passionate about applying AI to build intelligent, real-world solutions and eager to grow with an innovative engineering team.

EXPERIENCE

AI Developer & Engineer

Feb 2024 – Aug 2026

Self Employed

- Design and train machine learning and deep learning models, and build LLM-based AI agents for sales, support, and process automation.
- Develop AI-driven applications in Python, integrating trained models and LLMs into production systems via APIs, webhooks, and automation platforms (n8n, GoHighLevel, WooCommerce, Gmail) with proper error handling.
- Deliver production-ready AI SaaS MVPs and RAG-based systems for clients in healthcare, insurance, real estate, and eCommerce, deploying models and FastAPI services via Docker, Hugging Face Spaces, VPS, Railway, Vercel, and Render.

EDUCATION

B.S. Computer Science

Sep 2022 – Jun 2026

University of Engineering and Technology, Taxila

GPA: 3.74/4.0

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C++, SQL

AI/ML & Deep Learning: Machine Learning, Deep Learning, TensorFlow, PyTorch, Scikit-learn, NLP, Computer Vision, AI Agents, AI Engineering, OpenAI API, LangChain, LLM Integration, Prompt Engineering, MCP, Function Calling, RAG, Vector Databases (Pinecone, FAISS)

Full Stack Development: HTML, CSS, JavaScript, React, Next.js, Node.js, Express.js, REST API Design & Integration

Automation Platforms: n8n, Zapier, Make, Webhooks, Workflow Automation, Business Process Automation

Databases: MySQL, PostgreSQL, MongoDB, SQLite, Firebase Firestore, Redis

Automation & Scraping: Selenium, Playwright, Puppeteer, Web Scraping

Voice AI & CRM: Vapi, Retell AI, ElevenLabs, GoHighLevel (GHL)

Tools & Deployment: Git, GitHub, Docker, AWS, OpenCV, FFmpeg, Pandas, FastAPI, Hugging Face Spaces, Railway, Vercel, Render, VPS Hosting (Hostinger), Claude Code, Cursor

Other: Chatbots, API Integration, Third-Party Integrations, Version Control

PROJECTS

Plant Disease Detection using CNN

May 2025 – Jun 2025

- Problem: Farmers lacked accessible tools for early plant disease detection, contributing to preventable crop losses.
- Built a CNN-based image classification model in Python (TensorFlow) that identifies plant diseases early from leaf photos with high accuracy.
- Result: Gave farmers a low-cost way to catch disease early, reducing potential crop loss from delayed treatment.

AI Medical Assistant & Smart Calling Agent

Sep 2025 – Jun 2026

- Problem: Patients often didn't know which specialist to consult and had to manually call clinics to book appointments, causing delays in care.
- Built an AI system that analyzes reported symptoms, recommends the right specialist, and books appointments through a voice-based calling agent.
- Result: Reduced manual front-desk workload and helped patients reach the right care faster, without needing a human to triage every call.

AI Voice Agent & Contract Automation System for Real Estate Acquisitions

Jul 2026 – Jul 2026

- Problem: Real estate acquisition deals were being lost to slow, manual follow-up between the first seller call and a signed contract.
- Built an AI voice agent (Vapi) that qualifies sellers and calculates a real-time cash offer, feeding an n8n workflow that updates GoHighLevel (GHL) with zero manual data entry.
- Result: GHL auto-generates and routes the purchase agreement for e-signature within minutes of the call ending, taking sellers from call to signed contract with no manual work.

AI-Powered Customer Support Email Automation

Feb 2026 – Mar 2026

- Problem: Manual inbox triage, including reviewing image-based damage complaints, consumed hours daily and slowed response times.
- Built an automation that fetches new Gmail emails, uses GPT Vision to analyze attached product images, and reads full conversation history to draft context-aware replies.
- Result: Cut manual inbox management from hours to minutes and improved response consistency, using n8n, OpenAI GPT-4o, Gmail API, and Vision AI.

AI Voice Calling Agent (B2B Insurance Outreach)

Sep 2025 – Oct 2025

- Problem: Sales teams manually cold-called leads for insurance outreach, which was time-consuming and inconsistent in quality.
- Built an AI voice agent that qualifies leads, handles cold calling, and books appointments across multiple outreach channels.
- Result: Standardized outreach quality and freed up sales reps' time by automating the repetitive parts of lead qualification.

Automated Lyric Video Engine

Dec 2025

- Problem: Creating lyric videos manually was slow and repetitive for content creators, requiring frame-by-frame timing work.
- Built a pipeline that generates synced lyric videos automatically using Python for logic, OpenCV for rendering, and FFmpeg for output.
- Result: Turned a manual, hours-long editing task into an automated process that produces a finished video with minimal input.

Telegram to WooCommerce Automation System

Aug 2025 – Sep 2025

- Problem: Publishing products with SEO-ready content and images to WooCommerce was slow and inconsistent when done manually.
- Built an automated pipeline that generates SEO content and product images from a Telegram input and publishes listings directly to the store.
- Result: Cut product publishing time significantly while keeping listing quality and SEO consistent across the catalog.

Real Estate Lead Automation System

Jul 2025

- Problem: Agents spent excessive time manually sourcing qualified leads, chatting with prospects, and scheduling follow-ups.
- Built a system that scrapes leads, handles initial conversations with an AI chatbot, and schedules follow-ups via WhatsApp-integrated workflows.
- Result: Gave agents a steady stream of pre-qualified leads without spending manual hours on outreach and scheduling.

AI Customer Support Automation System

Apr 2025 – May 2025

- Problem: Manual ticket handling led to slow responses and missed customer requests.
- Built an automated ticketing and response system connecting Telegram, n8n, and Google Sheets to log and route requests.
- Result: Sped up response times and eliminated missed tickets by removing manual tracking from the support workflow.

CERTIFICATIONS

IBM Machine Learning

IBM, Coursera

[Verify](#)

Google AI Essentials

Google, Coursera

[Verify](#)

Agentic AI and AI Agents: A Primer for Leaders

Vanderbilt University, Coursera

[Verify](#)

Google Prompting Essentials

Google, Coursera

[Verify](#)