Ahmed Ali

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Professional Summary

Results-driven **AI Automation Engineer** with expertise in designing and deploying end-to-end intelligent automation systems. Specialized in building conversational AI voice agents, multi-platform workflow orchestration, and enterprise data pipelines. Proven track record of delivering production-ready solutions that reduce operational costs by up to 95% and automate complex business processes across CRM systems, communication platforms, and cloud infrastructure. Proficient in n8n, Make.com, Zapier, Python, LangChain, and various LLM APIs including OpenAI, Claude, and Groq.

Technical Skills

AI & LLM Technologies: OpenAI GPT, Claude (Anthropic), Groq/Llama, Retell AI, ElevenLabs TTS, LangChain
Automation Platforms: n8n (Advanced), Make.com, Zapier, GitHub Actions, Coolify
Programming Languages: Python, TypeScript, JavaScript, SQL
Databases & Cloud: Supabase (PostgreSQL), MariaDB, Firebase, Vercel, Netlify
CRM & Business Tools: GoHighLevel, BNTouch, Odoo, Retool, HubSpot
APIs & Integrations: REST APIs, Webhooks, WhatsApp Business API, Twilio, Google APIs
Web Technologies: React, Next.js, Remotion (Video Generation), Selenium (Web Scraping)
DevOps & Tools: Git, Docker, CI/CD Pipelines, Chrome DevTools

Professional Experience

AI Automation Engineer — **Sep 2025 – Present**
Xcorre — *Remote – Contract*

- Architected and deployed **15+ production automation systems** for clients across mortgage, logistics, food & beverage, and emergency services industries
- Designed AI voice agent systems using **Retell AI and LangChain**, handling **1000+ automated calls monthly** for lead qualification, appointment booking, and customer support
- Built enterprise data pipelines integrating **n8n, Supabase, and multiple CRMs**, achieving **95% reduction in manual data processing time**
- Developed automated alert systems with intelligent escalation workflows, reducing response time for critical inventory events by **70%**

AI Automation Engineer — **Oct 2025 – Present**
Trilles AI — *Remote – Freelance / Project-Based*

- Created custom WhatsApp-based conversational AI platforms using **Meta Business API and GPT-4**, enabling 24/7 automated customer engagement
- Built **autonomous business operations systems** automating inventory monitoring, sales forecasting, and supply chain management
- Deployed **CI/CD pipelines via GitHub Actions** for scheduled data processing with zero manual intervention

AI Automation Intern — **Jul 2025 – Sep 2025**
TTC (Tashi Tech Corp) — *Remote*

- Developed automation workflows using **n8n and Make.com** for client projects involving CRM integrations and data pipelines
- Assisted in building **AI-powered document analysis** and classification systems using LLM APIs
- Contributed to **voice agent development** projects with Retell AI and GoHighLevel integrations

Freelance AI Developer — **2024 – Present**
Upwork — *Remote*

- Delivered **AI tools evaluation and REST API development** projects for international clients
- Managed end-to-end project lifecycle from requirements gathering to deployment with comprehensive documentation
- Maintained **5-star ratings** with consistent quality delivery on automation and AI integration projects

Featured Projects

RateCut - Enterprise AI Voice Agent System | *Retell AI, n8n, GoHighLevel, Zapier*   Nov 2025

- Engineered a **full-stack AI voice agent platform** for a mortgage company, automating inbound/outbound calling across three distinct scenarios: database reactivation, new lead engagement, and inbound support
- Implemented intelligent **lead qualification workflows** extracting property type, value, and ownership details during calls with **90%+ accuracy**
- Designed **bi-directional CRM synchronization** between GoHighLevel and BNTouch using n8n and Zapier, ensuring real-time data consistency
- Built **dynamic calendar integration** enabling AI agent to check availability, book appointments, and handle rescheduling autonomously
- Created comprehensive pipeline stages (New Lead → Interested → Call Booked → Transfer to Human) with automated lead routing

Cherry River - Autonomous COO Operations Engine | *Python, Selenium, Supabase, n8n, GitHub Actions*

- Developed an **autonomous business operations system** for a premium liquor distributor, automating inventory monitoring, sales forecasting, and supply chain management
- Built **automated web scraper** using Selenium to extract weekly sales, inventory, and product data from SAQ B2B portal, processing **26MB+ of data weekly**
- Implemented **intelligent stock rupture detection** with territory-based alerts, notifying sales reps within 24 hours and escalating to management at 48/72-hour thresholds
- Designed **lead-time genome system** tracking 25+ raw materials with variable lead times (5-140 days), auto-generating RFQ orders for critical items
- Created automated **Weekly COO Command Reports** delivered every Monday with rupture analysis, risk items, and production feasibility reports
- Deployed **CI/CD pipeline via GitHub Actions** for scheduled Monday morning data updates with zero manual intervention

Swiftly - WhatsApp Emergency Service Dispatch Platform | *n8n, LangChain, Groq, Supabase, WhatsApp*

- Architected a **real-time emergency service booking platform** enabling users to connect with plumbers, electricians, and locksmiths via WhatsApp within 60 seconds
- Implemented **conversational AI agent** using LangChain and Groq LLM to intelligently extract problem details, location, and urgency from natural language
- Built **provider matching engine** that broadcasts emergencies to nearby service providers with location-based filtering and automated dispatch
- Designed **conversation state management** system maintaining context across multi-turn interactions with payment integration via Stripe
- Created **5-minute monitoring workflows** tracking provider response times and auto-reassigning unacknowledged requests

M&A Intelligence Hub | *Claude AI (Anthropic), n8n, Supabase, Google Drive*   2025

- Built **AI-powered document analysis system** for FDSS Fast Hackathon 2025 (sponsored by S&P Global), achieving **95%+ accuracy** in M&A document classification
- Implemented **automated document ingestion pipeline** from Google Drive with real-time Claude AI analysis and structured data extraction
- Designed **hierarchical taxonomy classification** for IT/Technology documents with 10+ sub-categories and transparent reasoning
- Achieved **95% reduction in manual processing time** compared to traditional document review methods
- Deployed full-stack dashboard with dark mode, animated metrics, and interactive AI demo simulator

FirstChase Financial - AI Voice Agent System | *Retell AI, n8n, GoHighLevel*   2025

- Developed **AI voice agent solution** for financial services company handling inbound and outbound customer calls
- Implemented intelligent **lead qualification workflows** with automated data extraction and CRM synchronization
- Built **appointment booking integration** with dynamic calendar availability checks and confirmation messages
- Designed **escalation protocols** for seamless handoff to human agents when AI reaches conversation limits

Bulk Product Image Editor | *Make.com, Gemini AI, Dropbox API*   2025

- Built **automated image processing pipeline** using Make.com to handle bulk product photography edits

- Integrated **Gemini AI Vision** to apply Ghost Mannequin Effect, transforming flat-lay images into professional 3D product shots
- Implemented **Dropbox folder monitoring** with automatic trigger on new file uploads for seamless batch processing
- Achieved **4K output resolution** with preserved fabric texture and realistic shadow generation

Company Financial Analysis Engine | *n8n, SEC API, REST APIs* 2025
- Built end-to-end **stock analysis automation** evaluating companies across **8 financial signals** (10-K analysis, insider trading, Beneish M-Score, patent activity, 13F/13D filings, government contracts)
- Integrated data from **SEC, USASpending, and institutional sources** to generate Financial Health scores, Red Flags, and Buy/Sell/Hold recommendations
- Automated **earnings quality assessment** and accrual anomaly detection for investment decision support

LinkedIn Content Automation System | *n8n, AI Agents, Google Sheets* 2025
- Developed **multi-agent content system** with Research Agent (gathers evidence) and Writer Agent (produces unique posts) for LinkedIn growth
- Implemented **post ingestion pipeline** that analyzes trending content and generates counter-arguments/supporting evidence for originality
- Built **human-in-the-loop review** via Google Sheets with AI image generation using NanoBanana for post visuals

Auto VAPI Agent Factory | *n8n, VAPI, Trieve, Web Crawling* 2025
- Created **one-click voice agent generator** that crawls any website and automatically builds a VAPI agent with full business knowledge base
- Integrated **Trieve vector database** for semantic search across crawled content enabling intelligent Q A capabilities
- Automated **tool attachment** for calendar booking functionality across all generated agents

Digital Survey Workflow - Industrial Estimation System | *React, TypeScript, PostgreSQL* 2026
- Designed **mobile-first field data collection app** for industrial insulation jacket manufacturing, replacing 3-year-old manual survey process
- Implemented **rules-based decision engine** with auto-classification of jacket complexity based on asset type, dimensions, and site conditions
- Built **dynamic form system** with conditional field rendering based on asset type selection (Pipe/Valve/Flange/Strainer)
- Created **automated calculation tables** for circumference allowances, width adjustments, and fixing requirements

Education

Bachelor of Science in Computer Science **2022 – 2026**
National University of Computer and Emerging Sciences (FAST-NUCES) *Islamabad, Pakistan*
- **CGPA: 3.64/4.0** – Relevant Coursework: Machine Learning, Deep Learning, Data Structures, Algorithms, NLP
- 10+ certifications in AI/ML from IBM, Coursera, DataCamp, and Udemy (Neural Networks, PyTorch, NLP, Computer Vision)

Certifications & Achievements

- **FDSS Fast Hackathon 2025 Participant** – S&P Global Document Intelligence Challenge
- **Deep Learning & Neural Networks with Keras** – IBM
- **Machine Learning with Python** – IBM
- **Introduction to Neural Networks and PyTorch** – DataCamp
- **Supervised Learning with scikit-learn** – DataCamp
- **Image Processing and Computer Vision** – Udemy

Additional Information

- **Languages:** English (Fluent), Urdu (Native)
- **Platforms:** Active on Upwork and Fiverr delivering AI automation solutions to international clients
- **Additional Skills:** Prompt Engineering, Web Scraping, REST API Development, FAST API, Streamlit