

# TALHA AKHTAR

## AI & Automation Specialist

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### SUMMARY:

An AI & Automation Specialist, I apply an AI-first mindset to transform business operations—designing and implementing intelligent, scalable automation solutions that streamline processes, reduce manual work, and optimize client service. Leveraging cutting-edge AI/ML technologies like Vertex API, TensorFlow, and OpenAI, alongside cloud platforms like GCP and a suite of RPA tools (n8n, Zapier, Make.com, UiPath), I build robust, data-driven workflows. My focus is on delivering measurable impact and enabling intelligent decision-making, blending technical depth with practical execution for real-world business results.

### WORK EXPERIENCE:

#### Automaxion.io | AI & Automation Engineer

Nov 2024 – Present

- Design and implement AI-driven automation workflows utilizing tools like n8n, Zapier, and Make.com to optimize business processes and reduce operational costs, demonstrating expertise in automation capabilities.
- Integrate advanced AI and ML models, including OpenAI API and Vertex API, to enhance workflow automation, decision-making, and implement AI-based auto-responses and intelligent data routing.
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#### Softaxe | Full Stack Developer

May 2024 – Nov 2024

- Developed and optimized Angular components for dynamic, responsive web applications, ensuring high performance and maintainability.
- Built RESTful APIs and backend logic using Node.js, delivering scalable and secure data-driven solutions.
- Collaborated with designers and backend teams to integrate UI with business logic, enhancing overall user experience and system efficiency.

#### Inxol Technologies | Frontend Developer

June 2023 – August 2023

- Built and maintained reusable Angular components to deliver fast, interactive, and mobile-friendly user interfaces.
- Implemented state management and routing for smooth user navigation and improved application performance.
- Worked closely with backend developers to integrate APIs and ensure seamless data communication between frontend and server.

### EDUCATION:

Bachelor of Science in Electrical Engineering | CGPA: 3.42/4.00

Dec 2020 – Sept 2024

University of the Punjab, Lahore, Pakistan

### PROJECTS:

#### AI-Powered Email Marketing Automation Platform

Tech Stack: OpenAI API, Vertex API, LLMs, Google Cloud Platform (GCP), Node.js, GoHighLevel (GHL), Airtable, n8n, Zapier, Make.com, Webhooks, Email Parsing

- Developed AI-driven email content generation and parsing mechanisms leveraging OpenAI API for dynamic campaign personalization.

- Integrated GoHighLevel and Airtable platforms, synchronizing CRM data for advanced lead segmentation and automated marketing funnels.
- Orchestrated multi-platform automation pipelines using n8n and Zapier for scheduled email campaign deployment and performance analytics.

### **AI-Driven Lead Generation System**

*Tech Stack:* Google Cloud Platform, Vertex API, OpenAI API, n8n, GoHighLevel, Airtable, Node.js, MongoDB

- Developed intelligent AI-driven automation pipelines for efficient lead capture and routing.
- Integrated advanced OpenAI and Vertex API models for enhanced lead qualification and CRM synchronization.
- Implemented scalable backend services on GCP, orchestrating complex multi-platform automation workflows.

### **Multi-Channel Chatbot Automation**

*Tech Stack:* OpenAI API, Google Cloud Platform, Node.js, n8n, GoHighLevel, Airtable, Webhooks

- Developed AI-powered conversational agents using OpenAI API for intelligent, multi-platform client interaction and automated query resolution.
- Implemented robust CRM synchronization across GoHighLevel and Airtable via n8n and Webhooks for streamlined data management.
- Orchestrated complex automation pipelines utilizing GCP and Node.js for efficient lead routing and critical ticket prioritization.

### **AI-Powered Call Center Agent**

*Tech Stack:* OpenAI API, LLMs, Google Cloud Platform, Vertex API, GoHighLevel, n8n, Node.js

- Implement intelligent conversational AI agents for automated customer support and inquiry resolution.
- Develop robust multi-platform automation pipelines for efficient lead capture and ticket prioritization.
- Engineer scalable backend systems on GCP integrating advanced machine learning models via Vertex API.

### **Conversational Chatbot for Lead Qualification**

*Tech Stack:* OpenAI API, LLM, n8n, GoHighLevel (GHL), Airtable, Google Cloud Platform (GCP), JavaScript/Node.js

- Developed advanced AI-powered conversational flows utilizing OpenAI API and LLM models for dynamic lead engagement and qualification processes.
- Implemented robust multi-platform automation pipelines leveraging n8n and Zapier for seamless CRM data synchronization and workflow orchestration.
- Engineered intelligent lead routing mechanisms and automated follow-up sequences integrated with GoHighLevel CRM and Airtable databases.

### **Lead Management System using n8n**

*Tech Stack:* n8n, GoHighLevel (GHL), Airtable, OpenAI API, Google Sheets API, Webhooks, Custom JavaScript Bots

- Design and implement intelligent lead capture automation pipelines utilizing n8n webhooks and custom JavaScript bots for multi-platform data ingestion.
- Establish robust, bidirectional data synchronization between GoHighLevel (GHL) CRM and Airtable, ensuring real-time lead information consistency.
- Develop AI-enhanced lead qualification and automated initial response systems leveraging OpenAI API for personalized communication workflows.

## **TECHNICAL SKILLS:**

- **AI & Automation Tools & ML:** n8n, Zapier, Make.com, UIPath, Webhooks, OpenAI API, Google Sheets API, Vertex API, Email Parsing, Google Sheets CRM, Custom JavaScript Bots, GoHighLevel (GHL), Airtable, TensorFlow, PyTorch, LLM models, Google Cloud Platform (GCP)
- **Automation & Business Capabilities:** Lead Capture & Routing, Workflow Scheduling, CRM Syncing, Ticket Prioritization, AI-Based Auto-Responses, Form & API Integration, Multi-platform Automation Pipelines, AI-driven automation workflows, AI Model Integration, Cross-Functional Collaboration, Cloud and Backend Services Integration, CRM & Data Integration, Client-Focused Solutions, Business data integration, Intelligent system automation
- **Full Stack Development & Technologies:** JavaScript, TypeScript, Angular 2+, Node.js, Express.js, HTML5, SCSS, Bootstrap, Tailwind, Material UI, MongoDB, MySQL, REST APIs, Firebase