**Zaid Ghaffar**

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**AI Engineer**

I’m a Full-Stack AI Engineer with 2+ years of experience, specializing in building smart AI systems. I’m also the founder of **WintaX Technologies**, where we create AI-powered phone assistants that handle customer calls and replace traditional call centers.

**WORK EXPERIENCE**

**AI Engineer** 04/2024 – Present

WintaX Technologies.

* **Developed real-time phone-calling conversational bot** at WintaX Technologies, using Gemini and a proprietary conversational model, enabling live customer interactions without third-party APIs. Reduced response time by 40% and improved customer satisfaction by 75%.
* **Built customized object detection pipeline** using TensorFlow. Captured real-time images, trained a unique object detection model, and automated object identification for dynamic use cases, Improved object detection accuracy by 15% and reduced processing time by 20%.
* **Built an AI Agent using CrewAI** that listens to customer software needs and creates a full SDLC plan. It shows how to build a strong SDLC pipeline with clear steps. Improved planning by 80% and made SDLC setup faster and easier.
* **Engineered AI-powered doctor** at STEM LABS, generating synthetic medical data formatted into LLAMA2 templates. Fine-tuned LLAMA2 using LORA and Q-LORA, integrating RAG with LangChain, achieving 90% accuracy in medical question-answering, surpassing human efficiency by 20%.
* **Deployment of multiple full Stack AI** **Webapp**  and worked on multiple startups. Specialized in deploying state-of-the-art AI systems and working collaboratively with companies to achieve their AI goals

**Software Engineer – Machine Learning** **Inter** 10/2023 – 04/2024

Rockville Technologies..

* **Developed autonomous inventory management system** using custom computer vision models. Designed and trained models for stock identification and tracking in warehouses, optimizing supply chain efficiency. optimizing supply chain efficiency by 25% and reducing stock errors by 30%.
* **Deployed AI-driven virtual assistant** for a retail startup, integrating speech-to-text and personalized recommendation systems. Built end-to-end pipelines using PyTorch and deployed models over the cloud for scalable performance.
* **Developed a cutting-edge AI-driven research assistant** capable of analyzing and summarizing scientific literature across multiple domains. reducing research time by 50% for cross-domain projects.

**Software Engineer Intern** 02/2023 – 10/2023

University.

* **Built AI-powered agents for task automation,** streamlining repetitive workflows and reducing manual effort by 40%. Integrated agents with scheduling systems and databases, improving task completion time by 25%.
* **Turned machine learning models into APIs** for scalable deployment. Designed RESTful APIs with Flask and FastAPI, ensuring seamless integration with production environments and dynamic databases.
* **Engineered cloud-based fraud detection system** using machine learning. Leveraged unsupervised learning techniques to identify anomalies in financial transactions, with real-time alerts and database integration for record-keeping.
* **Deployed an AI-powered inventory management system** for warehouses. Created custom object detection models and built pipelines to track stock levels, reducing errors and optimizing supply chain efficiency.

**SKILLS & COMPETENCIES**

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| * Deep learning * Machine Learning * Natural language processing * Computer Vision * Generative AI * Multimodel AI Agents * Predictive Modeling * AI model deployment * Algorithm development * Data analysis * Experiment design * Software development * Fastapi * React Native * SupaBase * LLM Engineer * Cursor.ai * Replit Agents | * Deployment & Scaling * Develop Prototyping * Agent-Based Modeling * Team collaboration * RESTful API Design & Development * Azure/Railway for deployment * Docker * Agentic Models * Mentoring and training * Research presentation * APIs & integration: (Google Cloud API, Third-Party APIs) * Problem-solving * Communication skills * Cloud**:** AWS, Google Cloud Platform, Azure * Databases: MySQL * Flask & API creation * V0.dev * AI Agents |

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| **Education** **University of Engineering and**  **Technology:** Bachelor of science in  computer engineering  **Links**  Portfolio: <https://wintax-profile.vercel.app/> | **Language**   * **English** (Fluent) * **Urdu** (Native) |