Zaid Ghaffar

zaidghaffar.business@gmail.com • (92)3465444626 • linkedin.com/in/zaid-ghaffar • https://wintax-profile.vercel.app/

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

- 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

EDUCATION
University of Engineering and Technology: Bachelor of science in computer engineering

LANGUAGE
- **English** (Fluent)
- **Urdu** (Native)

LINKS

Portfolio: https://wintax-profile.vercel.app/