

Muhammad Yasir

+92-334-8352830 | yasir@trysoftai.com | <https://www.linkedin.com/in/muhammad-y-440a11433/> |

EDUCATION

FAST National University <i>Master's in Artificial Intelligence</i>	Pakistan Aug. 2019 – May 2021
FAST National University <i>Bachelor of Science in Software Engineering</i>	Pakistan Aug. 2015 – May 2019

EXPERIENCE

AI Engineer & Full-Stack Developer <i>Try Soft Ai</i>	July 2019 – Present Pakistan
<ul style="list-style-type: none">Improved manufacturing accuracy and efficiency by implementing a robust object detection system.Automated customer service processes, significantly enhancing response times and user experience.Developed a predictive platform to drive better customer insights and optimize sales strategies.Streamlined operations by automating business workflows, resulting in significant time and resource savings.Led cross-functional teams to successfully integrate AI solutions, delivering measurable business impact.Engaged with clients to thoroughly understand their business requirements, delivering tailored AI-driven solutions across various industries.	

PROJECTS

E-Commerce Analytics Platform <i>React, Express.js, PostgreSQL, REST APIs</i>	Feb 2021 – April 2021
<ul style="list-style-type: none">Built full-stack web application with React frontend and Express.js backend for enterprise transaction processingImplemented secure REST APIs with JWT authentication and integrated multiple payment gateway solutionsDeveloped real-time analytics dashboard using D3.js for sales metrics and inventory managementDeployed scalable cloud architecture with automated data pipelines maintaining high-availability environment	
AI-Powered Business Automation Platform <i>WhatsApp API, NLP, LangChain, Voice AI</i>	May 2022 – Sep 2022
<ul style="list-style-type: none">Architected WhatsApp automation system streamlining customer service with intelligent response handlingDeveloped multilingual AI voice assistant using NLP for automated appointment scheduling workflowsCreated intelligent marketing agent using GPT models for dynamic content generation and lead qualificationIntegrated cross-platform automation workflows optimizing business operations and conversion metrics	
Computer Vision Quality Control System <i>YOLOv11, OpenCV, PyTorch, AWS</i>	March 2023 – July 2023
<ul style="list-style-type: none">Built real-time defect detection system using YOLOv11 for automated manufacturing quality assuranceImplemented CNN-based deep learning pipeline with PyTorch for high-throughput image processingDeveloped FastAPI endpoints with Docker containerization for enterprise cloud deployment on AWSOptimized production workflows reducing manual inspection overhead while maintaining quality standards	

TECHNICAL SKILLS

AI Frameworks: Python, TensorFlow, PyTorch, Scikit-learn

AI & Machine Learning: Machine Learning (Supervised, Unsupervised, Reinforcement Learning), Deep Learning (CNNs, GCNs, GANs, TCNNs, VLMs), Generative AI

Natural Language Processing (NLP): AI Agents, LLMs, Chatbot Development, LangChain, RAG, LangGraph

AI Automation: n8n, Make.com, Zapier, GHL, Python-based AI Agent Development, Workflow Automation, Data Integration

Computer Vision: YOLOv8, YOLOv9, YOLOv11, YOLOv12, OCR, Image Processing with OpenCV

Model Deployment & Cloud: Flask, FastAPI, Streamlit, AWS, API Integration, Cloud Infrastructure

Frontend Development: JavaScript, React, Flutter

Backend Development: Express.js, REST APIs, Next.js, Node.js

Databases: MySQL, PostgreSQL, MongoDB, SQLite, Firebase

Servers & Infrastructure: Docker, kubernetes, VPS Hosting, Linux Server Management