

MOHAMMED WARISH

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EDUCATION

Bachelor of Technology in Computer Science and Engineering
Indian Institute of Information Technology Sri City Chittoor

2020 – 2024

PROFESSIONAL EXPERIENCE

AI Engineer

04-2025 | Hyderabad

Quanteon

- Led a 3-member team to design and develop a **Voice AI Agent Framework**, building **appointment scheduling** and **prior auth status check agents** to fully automate manual healthcare call workflows.
- Deployed on AWS EC2 with Docker, achieving **≤65 ms low-latency vLLM-based inferencing** and enabling **auto-scaling worker pools** for telephony traffic.
- Engineered a HIPAA-compliant **real-time STT-LLM-TTS streaming pipeline** integrating LLMs from **AWS Bedrock**, and **Azure OpenAI** with Deepgram STT and Elevenlabs, Kokoro TTS for natural, human-like conversational experiences.
- Fine-tuned Qwen 3 on **1.2K call transcripts** for domain adaptation, **improved tool calling** and information extraction.

AI ML Engineer

04-2024 – present

Eizen.AI

- Integrated **time series forecasting** and **anomaly detection models**, providing causation and correlation analysis.
- Developed Interactive AI **Chatbot Agents** using **LangGraph**, **LlamaIndex** and **RAG**, advancing user interaction and analytics capabilities through **text to query LLM** solutions.
- Built a **video anomaly detection** utilizing an **autoencoder** with **C3D** and **ResNet-50** for advanced feature extraction.
- Built a **quality assurance system** using **YOLO** for real-time object detection, dynamically triggering **Jenkins to stop and resume process** feed streaming via **Kafka producer-consumer** once an anomalous event is detected.

SDE Intern

11-2023 – 04-2024

Dilate Labs Pvt. Ltd.

- Developed a **customer and lab partner application** using **Node.js**, **TypeScript**, **MongoDB**, and **REST**, integrating **Firebase reCAPTCHA** and **Google login** for improved security, enhancing user experience by 10%.
- Developed over 40 REST APIs for functionalities including **Google Maps APIs**, **Secure Razorpay payment gateway**, **Order Booking**, **Wallet Management**, **Patient Report Card**, **Cloudinary File upload** and **Reviews**.

TECHNICAL SKILLS

- Languages :** C/C++ | Python | Javascript | HTML/CSS | SQL
- Libraries/Frameworks :** Pytorch | Tensorflow | Langchain | LangGraph | Livekit | Fast API | YOLO | CV2 | Vllm | Ollama
- Database :** MongoDB | MySQL | Redis | Cassandra | FAISS | Postgres
- DEVELOPER TOOLS :** Git and Github | Postman | Jenkins | Kafka | Cursor | Docker | AWS | GCP

PROJECTS

Multi-Agent AI Project Management System

08-2024 – 09-2024

Revolutionizing Project Management with AI Agents and LangGraph

- Tech Stack:** LangChain | LangGraph | FastAPI | RAG | GROQ API | FAISS | SQLAlchemy | Docker
- Automated task generation and prioritization** using **AI-driven Task and Priority Agents** based on project description.
- Implemented **RAG with FAISS** for similarity search and language models **langchain_ollama**, **langchain_groq** to provide **context-aware task suggestions, reports, and recommendations**.
- Suggested optimal team configurations and strategies by analyzing team capabilities and project requirements.

Churn Analysis and Prediction

09-2023 – 11-2023

Telecom Industry Churn Analysis and Predictive Modeling

- Tech Stack:** Python | Pandas | NumPy | Scikit-Learn | Flask | Power BI
- Conducted Telecom Industry **Churn Analysis** using **Decision Tree**, **SVM**, **KNN** and **Random Forest classifier**.
- Aimed to **enhance customer retention** and revenue by predicting churn patterns and providing **actionable insights**.

ACHIEVEMENTS

GPS Spoof and Detect in Ardupilot Simulating UAVs

01-2023 – 08-2023

- Published a paper titled "**GPS Spoof and Detect in Ardupilot Simulating UAVs**" at the **21st IEEE OITS International Conference on Information Technology**.
- Demonstrated **problem-solving** skills by successfully **solving over 200 DSA problems** on Leetcode.