

# 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 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 **Firestore reCAPTCHA** and **Google login** for improved security, enhancing user experience by **10%**.
- **Reduced server load by 20%** using **Cloudinary** for efficient file uploads. Developed **over 40 REST APIs** for functionalities including **Order Booking**, **Wallet Management**, **Patient Report Card**, and **Reviews**.
- Implemented **Google Maps APIs** and a secure **Razorpay payment** gateway, streamlining transactions.

## TECHNICAL SKILLS

- **Languages** : C/C++ | Python | Java | Javascript | Typescript | HTML/CSS | SQL
- **Libraries/Frameworks** : Pytorch | Tensorflow | Langchain | LangGraph | REST | Fast API | Flask | YOLO | CV2
- **Database** : MongoDB | MYSQL | Redis | Cassandra | FAISS
- **DEVELOPER TOOLS** : Git and Github | Postman | Jenkins | Kafka | Power BI | 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.
- Generated detailed **project reports**, providing key metrics, risks, and **insights to assist project managers**.

### 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**.
- Built an **interactive Power BI dashboard** for comprehensive data visualization and **deployed** the model using **Flask**.

### Codon Optimisation

03-2023 – 05-2023

Codon optimisation for enhanced protein expression

- **Tech Stack**: Python | TensorFlow/Keras | RNN | NumPy | JSON
- Utilized **RNNs** to optimize DNA sequences, **improving protein yield** in **CHO cells**.
- Automated sequence generation with a pre-trained model and Python scripts.
- Streamlined **genetic engineering workflows**, **improving efficiency and accuracy**.

## 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**.