

- **Cloud Platforms:** AWS (Bedrock)
- **Model Deployment:** TensorFlow Serving, FastAPI, Docker, Kubernetes
- **Tools:** Streamlit, Jenkins, RabbitMQ, MongoDB, NoSQL Booster
- **Data Analysis:** Pandas, NumPy, Excel, SPSS
- **Data Visualization:** Matplotlib, Seaborn
- **Version Control:** Git, Bitbucket

## Projects

- **Medical Image Classification for Malaria Detection** (09/2023–01/2024)  
Developed a CNN model to classify blood sample images, achieving high diagnostic accuracy.
- **EmoDiarize: Emotion-Aware Speaker Diarization** (04/2023–09/2023)  
Built a deep learning system for real-time speech emotion recognition and speaker diarization.
- **Multi-Modal Deep Learning Classifier**  
Created a Streamlit-based app for tumor detection and sentiment classification.
- **Proof of Concept: GraphReader**  
Developed a POC based on "GraphReader: Building Graph-based Agent to Enhance Long-Context Abilities of Large Language Models" (arXiv). Used Neo4j for graph management and GPT models for prompting, analysis, and answer generation.
- **Automated Invoice Data Extraction using Gemini API**  
Designed an AI pipeline to extract key entities from publicly available invoice data by prompting Gemini API.

## Publications

- **[2024]** Sibiraj V. M., Fiza Gafoor, et al. Automated Malaria Cell Image Classification Using CNN. *TechRxiv Preprint*. <https://doi.org/10.36227/techrxiv.171744390.01569902/v1>
- **[2023]** Hamza, H., Gafoor, F., et al. EmoDiarize: Emotion Identification from Speech Signals Using CNNs. *arXiv Preprint*. <https://arxiv.org/abs/2310.12851>

## Certifications

- **Introduction to Data Analysis using Excel** (Coursera)
- **Statistical Analysis with SPSS** (Farook College)
- **Data Analytics Virtual Internship** (KPMG via Forage)
- **SQL for Data Science (Ongoing)** (Coursera)

## Languages

- **English:** Advanced (C1)
- **Malayalam:** Native (C2)
- **Hindi:** Basic Speaking and Reading
- **Arabic:** Reading