



# RIZNEE M.F

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## SKILLS SUMMARY

- **Language:** Python ,R, Java
- **Databases/OS:** MySQL,PostgreSQL, Linux, Windows,
- **ML :** Supervised and Unsupervised Learning, NLP, Computer Vision,TSA
- **Libraries:** Pandas, Numpy, Matplotlib, Sci-kit learn, Tensorflow, Pytorch
- **Frameworks/tools:** Power BI, Tableau, Flask, Hadoop, Git, Google colab
- **Soft Skills:** Critical Thinking, Problem-solving, Effective Communication

## PROFESSIONAL EXPERIENCE

- **ARTIFICIAL INTELLIGENCE INTERN (Remote)      Novitech R&D Pvt LTD**  
ML models with TensorFlow and PyTorch, boosting accuracy by 15%.  
Preprocessed 50,000+ records using Pandas, cutting noise by 20%.  
Created visualization dashboards for stakeholders with Matplotlib.
- **PROJECT INTERN      Search for Common Ground (INGO)**  
I completed a project internship at Search for Common Ground,  
contributing to the Manner Project by supporting community  
engagement, monitoring progress, and preparing detailed reports to  
promote peace and conflict resolution.      (Aug 2024-Nov 2024)

## PROJECTS

- **AI-LAWYER CHATBOT | [LINK](#)**
  - Developed an AI-powered chatbot using a Retrieval-Augmented Generation (RAG) pipeline to interact with PDF documents. Achieved over **90% query response relevance** in legal document testing. Integrated **Deepseek-r1 LLM** via Ollama with **LangChain**, and deployed a real-time querying interface using **Streamlit** for precise answers to complex legal questions based on local file content
  - **TECHNOLOGIES:**LangChain, Streamlit, Python, Ollama, RAG architecture
- **NLP & ML-BASED RESUME CLASSIFIER WEB APP | [LINK](#)**
  - Created a web application that classifies resumes into predefined job roles using NLP and ML. Achieved **94% classification accuracy** on test data. Utilized **TF-IDF vectorization** with **Scikit-learn** models and built an intuitive UI in **Streamlit**, streamlining resume screening for recruiters.
  - **TECHNOLOGIES:** Python, NLP, Scikit-learn, Streamlit, pandas, TF-IDF
- **RESPIRATORY DISEASE DETECTION USING LUNG SOUNDS| [LINK](#)**
  - Built a deep learning model for multi-class respiratory disease detection using lung sound recordings. Extracted features such as **MFCC**, **Chroma STFT**, and **Mel Spectrogram**, and trained a hybrid CNN model in **TensorFlow/Keras**. Achieved an overall **accuracy of 97.7%** in disease classification across 5 respiratory conditions.
  - **TECHNOLOGIES:** Python, TensorFlow, Keras, CNN, MFCC, Chroma STFT, Mel Spectrogram, Librosa, NumPy
- **FACE RECOGNITION-BASED ATTENDANCE MONITORING SYSTEM |[LINK](#)**
  - Built a face recognition system with **95% accuracy** for real-time attendance logging using **OpenCV**.
  - **TECHNOLOGIES:** Python, OpenCV, face\_recognition, NumPy, pandas

## OBJECTIVE

Aspiring AI/ML Engineer with a strong foundation in Data science and a passion for leveraging machine learning to solve real-world problems. Seeking an internship to gain hands-on experience in developing innovative AI solutions

## LANGUAGE

**English:** Fluent  
**Tamil:** Fluent  
**Sinhala:** Conversational

## EDUCATION

**BSc(Hons) Information Technology**  
**Specialized in Data Science(AI)    GPA (≥ 3.2)**  
*SLTC Research University      2022-present*

**Relevant Coursework:** Machine Learning, Deep Learning, Data Structures, Algorithms, Probability & Statistics, Database Systems, Cloud Computing

## EXTRACURRICULAR ACTIVITIES

**Member of Leo Club of SLTC**

- *Projects: Eco Action    2023-present*

**Member of Media Unit of SLTC**

- *Project: UniTalks      2024-present*

## CERTIFICATIONS

Artificial intelligence and machine Learning Stage 1 and 2 – SLIIT  
Full Stack Development – Morattuwa  
Deep Learning Specialization – Coursera  
Machine learning Foundation – AWS

## NON-RELATED REFERENCES

**Mr. Joseph Charles**  
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