

K. Mahalaxmi

+91 9666483548 | Email | GitHub | LeetCode | LinkedIn | Portfolio

TECHNICAL SKILLS AND INTERESTS

- **Programming Languages:** Python, Java, R, JavaScript, HTML/CSS
- **Microsoft Office:** Word, Excel, PowerPoint, Outlook
- **Frameworks & Libraries:** TensorFlow, OpenCV, NumPy, Pandas
- **Tools:** VS Code, Git, GitHub
- **Databases:** MongoDB, MySQL
- **Interests:** Web Development, Machine Learning

PROFESSIONAL SKILLS

- Problem Solving
- Adaptability
- Collaboration
- Self Learning
- Presentation

EDUCATION

- **B.Tech in Computer Science and Engineering (Data Science)** 2022–26
Woxsen University **CGPA: 3.35/4**
- **Indian School Certificate (ISC), Class 12** 2020–22
Sherwood Public School **CGPA: 8.0/10**

PERSONAL PROJECTS

- **IndicRephrase: Multilingual Paraphrasing for Indian Languages** Jul - Present
AI tool for paraphrasing Indian language texts while preserving meaning.
 - Developed a **paraphrasing tool for Indian languages**, addressing linguistic and cultural nuances.
 - Created **custom dataset** and fine-tuned transformer models (**IndicBERT, mBERT**).
 - Built a deployment-ready solution with evaluation metrics.**Technologies:** NLP, Transformers (IndicBERT, mBERT), Dataset creation, Model training, API deployment
- **Movie Recommendation Web Application** Jan – Mar 2025
Content-based movie recommender with real-time UI using Streamlit.
 - Used **NLP** and **cosine similarity** to analyze metadata.
 - Built web UI using Streamlit, processed **5K+** movies.
 - Deployed: **movie-recommender-mahalaxmi.streamlit.app****Technologies:** Python, Pandas, Scikit-learn, Streamlit, TMDB API
- **Music Genre Classification** Sep – Nov 2024
ML model to classify songs using audio features.
 - Used GTZAN dataset, applied KNN and SVM.
 - **Accuracy: 61.25% (KNN), 57.50% (SVM)****Technologies:** Python, Librosa, Scikit-learn, Matplotlib

PROFESSIONAL EXPERIENCE & LEADERSHIP

- **Student Ambassador, AI Research Centre, Woxsen University** 4th Year
- **Facilitator in Peer-to-Peer Learning:** Guided and mentored peers in **DSA (Python)**. 3rd Year
- **Executive Member, Woxsen Technology Club** 2nd Year

CERTIFICATIONS & VIRTUAL INTERNSHIPS

- **Data Analytics Job Simulation** — Deloitte (via Forage) July 2025
- **Data Visualisation Program** — Tata Group (via Forage) July 2025
- **Introduction to Data Science** — Cisco Networking Academy July 2025