

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) <i>Woxsen University</i>	<i>2022–26</i>
	CGPA: 3.35/4
- Indian School Certificate (ISC), Class 12 <i>Sherwood Public School</i>	<i>2020–22</i>
	CGPA: 8.0/10

PERSONAL PROJECTS

• IndicRephrase: Multilingual Paraphrasing for Indian Languages <i>AI tool for paraphrasing Indian language texts while preserving meaning.</i> – 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	<i>Jul - Present</i>
• Movie Recommendation Web Application <i>Content-based movie recommender with real-time UI using Streamlit.</i> – 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	<i>Jan – Mar 2025</i>
• Music Genre Classification <i>ML model to classify songs using audio features.</i> – Used GTZAN dataset, applied KNN and SVM. – Accuracy: 61.25% (KNN), 57.50% (SVM) Technologies: Python, Librosa, Scikit-learn, Matplotlib	<i>Sep – Nov 2024</i>

PROFESSIONAL EXPERIENCE & LEADERSHIP

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

CERTIFICATIONS & VIRTUAL INTERNSHIPS

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