K. Mahalaxmi

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

PROFESSIONAL EXPERIENCE

- Green Intern , 1M1B (1 Million for 1 Billion): *Aug 25 - Present*

Selected as a Green Intern under the #1M1BGreenInternship, a global program focusing on sustainability and climate action.

– Working on Green Skills, Technology Learning, and Project Building, aligned with UN Sustainable Development Goals (SDGs).

– Building expertise in data-driven sustainability solutions through weekly toolkits, hands-on projects, and design thinking applications.

– Actively participating in the Learn in Public (LIP) Sprint, creating weekly reflections on LinkedIn to share progress and inspire peers.

- Peer Learning Mentor, Woxsen University: *Aug 25 - Oct 25*

*Mentoring 3rd-year peers in **Data Analytics & Visualization** concepts and tools.*

– Guiding students in data preprocessing, exploratory analysis, and visualization techniques.

– Helping peers apply analytics techniques to real-world datasets and improve problem-solving skills.

– Enhancing collaboration, leadership, and communication while deepening my own expertise in analytics.

- Student Ambassador, AI Research Centre, Woxsen University *Jul - Present*

TECHNICAL SKILLS AND INTERESTS

- **Programming Languages**: Python, Java, R, JavaScript, TypeScript, HTML, CSS
- **Frameworks & Libraries**: React, Next.js, Tailwind CSS, TensorFlow, PyTorch, facenet-pytorch, scikit-learn, OpenCV, NumPy, Pandas, Matplotlib, Seaborn
- **Tools & Platforms**: Streamlit, Vercel, VS Code, Git, GitHub, Google Colab
- **Databases & APIs**: MySQL, MongoDB, TMDB API
- **Microsoft Office**: Word, Excel, PowerPoint, Outlook
- **Interests**: Web Development, Machine Learning, Computer Vision, Deep Learning, Data Science
- **Soft 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

- **Face Detection Segregation System (Supervised Unsupervised Learning)** *Aug - Oct 25*

  – Identified the challenge of organizing large photo datasets manually.

  – Develop an AI-based system to automatically detect and group faces from images.

  – Implemented MTCNN and FaceNet for face embeddings, using PyTorch with supervised and unsupervised (DBSCAN/K-Means) methods for segregation.

  – Automated image organization with high accuracy, reducing manual sorting time by over 90

- **Personal Portfolio Website** *Sep – Oct 2025*

  – Needed a professional platform to showcase my technical skills and projects.

  – Design and develop a **responsive, visually appealing portfolio website**.

  – Built the site using **Next.js, TypeScript, and Tailwind CSS**, creating **reusable React components** and deploying on **Vercel**.

  – Delivered a modern, high-performance personal website that effectively presents my work and boosts my online presence.

- **Movie Recommendation Web Application** *Jan – Mar 2025*

  – Noticed the need for personalized movie suggestions to improve user engagement.

  – Develop a web application that recommends movies based on user-selected titles.

  – Implemented a content-based recommender using NLP and cosine similarity on movie metadata; built an interactive UI with Streamlit and processed over 5K movies.

  – Delivered a real-time, user-friendly recommendation platform deployed at ***Live Demo***