

# Srihari Thyagarajan

(+91) 99676-22890 | [hari.leo03@gmail.com](mailto:hari.leo03@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio Website](#)

## EDUCATION

### NMIMS University

Bachelor of Technology in Artificial Intelligence, CGPA: 3.8/4

Mumbai, MH

2021 – 2025

## EXPERIENCE

### marimo.io

Jan 2025 – Present

Ambassador & Intern — AI/ML and Developer Advocacy

Remote (SF, United States)

- Worked on adoption of reactive Python notebook platform through self-initiated technical development, community building and partnerships in open-ended startup environment
- Contributed [37+ merged PRs](#) — enhanced [snippets system](#); developed [mo.image.compare\(\)](#) widget; identified & resolved Windows-specific bugs
- Created 20+ interactive educational notebooks; launched Deep-ML [integration](#) with interactive learning tab via [deepml-notebooks](#); established HuggingFace [course integration](#); added marimo to [CNCf landscape](#)
- Community building via [spotlight showcases](#) and newsletter drafting; led [UCSD workshop](#) on NBA data analysis, pursued enterprise adoption outreach — expanded platform reach across technical communities
- Spearheaded technical outreach initiatives to ML practitioners and teams — initiated conversations with engineers from various companies for Streamlit/Jupyter migration to marimo; established multi-platform [partnership](#) with GroundZeroAI for Linear Algebra course development

### Digital India Corporation

May 2024 – June 2024

AI Intern

Remote (Delhi), India

- Developed end-to-end AI pipeline for IndiaHandMade platform — integrated BLIP image captioning, Llama3/Groq text generation, Whisper audio transcription
- Built FastAPI-based APIs for seamless platform integration; collaborated with operations team for Ubuntu server deployment, resolving dependencies and ensuring production reliability
- Streamlined vendor onboarding by automating product listing processes — enabled multilingual descriptions through audio transcription, enhancing user experience across diverse markets

## PROJECTS

### marimo <sup>OSS</sup> | Python, TypeScript, React, WebAssembly

- Developed [mo.image.compare\(\)](#) widget for interactive before/after visualizations; enhanced [snippets system](#) with 18 practical code examples improving developer onboarding experience
- Implemented AI integrations — [Groq chat support](#), DeepSeek [configuration guide](#); resolved *Windows-specific marimo islands bugs*; developed QoL [package installation UX improvements](#)

### marimo Learn <sup>OSS</sup> | Python, Interactive Notebooks, WASM, Educational Content

- Spearheaded development of 50+ interactive educational notebooks across Python fundamentals, probability theory and linear algebra — launched comprehensive [probability series](#) based on [Stanford CS109](#) with 20+ interactive notebooks (sets to ML concepts)
- Established multi-platform [collaboration](#) with [GroundZeroAI](#) for Linear Algebra course; achieved 180+ GitHub stars; launched [landing page](#) for quick WASM notebook previews

### Deep-ML <sup>OSS</sup> | Python, HTML, Interactive Notebooks, ML Algorithms

- 12+ [merged](#) implementations — activation functions (SELU, Swish, Softplus, PReLU, ELU), regression algorithms (Ridge, Single-Neuron), classification metrics (F-score, Confusion Matrix), [K-Means](#)
- Architected marimo integration with interactive learning tab enabling HTML-WASM notebook deployments; provided support for CI/CD automation processes

### MathMate: Multimodal AI Assistant for Math Learning | openweb-ui, HuggingFace, Lightning.ai, Weights & Biases

- Capstone project developing specialized LLM for mathematical reasoning — implemented model merging techniques using mergekit, combining NuminaMath-7B-TIR and DeepSeek-Prover-V1.5-RL models to create Mathmate-7B-DELLA (6.91B parameters)
- Applied ORPO fine-tuning on specialized math datasets; conducted evaluation using LLM AutoEval with Nous dataset; utilized cutting-edge MLOps tools for model development and analysis

## TECHNICAL SKILLS

**Languages:** Python, HTML/CSS, SQL, LaTeX

**Frameworks & Libraries:** FastAPI, Flask, Transformers, PyTorch, OpenCV, NumPy, Polars, Pandas, Plotly, Altair

**Dev-tools & Interests:** Git, GitHub, VS Code, marimo, WASM, Discord, OSS development, Dev advocacy/relations, Educational Content Creation, Community Building, Partnership Development