

Srihari Thyagarajan

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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)

- Drove 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**
- Led community engagement via **spotlight showcases**; 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 ^{OSS} | *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 ^{OSS} | *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 ^{OSS} | *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, React, 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