MAYURA PATKAR

Machine Learning Engineer

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Portfolio
Karnataka, India

GitHub LinkedIn [X](X) HuggingFace

EDUCATION

Masters of Computer Applications
Manipal Institute of Technology, Manipal

Graduation Year: 2026

Bachelors of Computer Applications
Mangalore University, Karnataka

Graduation Year: 2024

PROJECTS

T-CLM2 – Transformer Causal Language Model v2 ↗

09/2024 – 12/2024

Custom Transformer-based Language Model

- Developed a 275M-parameter decoder-only Transformer for causal language modeling.
- Pretrained using a custom dataset; fine-tuned for generation tasks.
- Exported model to Hugging Face with Safetensors integration.

Shresht Systems – Company Management Software ↗

12/2024 – present

Shresht Systems – Company Management Software

- Developed a full-featured desktop-based management system for Shresht Systems to handle inventory, billing, and customer workflows.
- Built using Electron and MongoDB with a secure local-first architecture.
- Delivered a fast, user-friendly UI with offline capabilities and seamless data sync.
- Reduced paperwork and manual operations by more than 60%.

CERTIFICATES

Microsoft Professional Python developer ↗
Microsoft
2025

Mathematics for Machine Learning ↗
DeepLearning.AI
2025

SKILLS

Languages: Python(Advanced), C / C++, JavaScript
Frameworks: PyTorch, Transformers (Hugging Face)
Data & ML: Pandas, Scikit-learn, Matplotlib, Seaborn, NLTK, OpenCV, NumPy
Tools: Git, VS Code, Jupyter, Figma

LANGUAGES

English: Advanced

Kannada: Native

Hindi: Intermediate