

Mrunmayee Daware

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AI / ML Engineer | LLM Fine-tuning | Agentic Systems | FastAPI | Docker | AWS EC2

Final-year B.E. student building AI systems with LLM APIs, retrieval and backend services.

OPEN SOURCE CONTRIBUTIONS

Music Blocks | SymPy | JupyterLab | Konveyor / tackle2-ui | Netflix / Metaflow

EDUCATION

B.E. Artificial Intelligence & Data Science - Zeal College of Engineering & Research (SPPU)

2023-2027 | Final year | Expected graduation: June 2027 | CGPA: 9.71 / 10

TECHNICAL SKILLS

LLM / GenAI: LoRA/PEFT, TRL SFTTrainer, quantization, RAG, agentic self-correction, MCP, evaluation

Models & APIs: HuggingFace Transformers, DistilBERT, Mistral, OpenAI, Anthropic, Groq, Ollama, PyTorch

Backend & deployment: Python, FastAPI, Flask, Docker Compose, AWS EC2, Linux, Git, CI/CD, REST/OAuth2

Data & frontend: PostgreSQL, SQLite, scikit-learn, NumPy, pandas, React, TypeScript, Node.js, MERN

EXPERIENCE

SDE Intern - Bluestock Fintech | Feb-Apr 2026 | Remote

- Built a MERN blog platform with authentication, CMS, SSG/ISR and database integration in a distributed team of six; worked on deployment, branching, PR reviews and hotfixes.

PROJECTS

Hearth - Emotionally Intelligent AI Companion | Python, PEFT/TRL, DistilBERT, LLM APIs

github.com/Mrun25/Hearth_Emotional-Companion

- Fixed training-data contamination by normalizing four source formats into train/validation/test data; built a DistilBERT safety classifier alongside a keyword filter.
- Built a draft-critic-refine loop that checks responses against six criteria and triggers a constrained rewrite.

Mneme - AI Agent Memory Layer (team project) | Python, Neo4j, Monad, MCP

github.com/h55n/MNEME

- Built the memory layer and MCP server with six tools for cross-session retrieval; contributed frontend, compliance UI and Solidity contracts in a team-built demo delivered in 24 hours.

GiSTo - GST ITC Risk Intelligence | FastAPI, PostgreSQL, React, Docker Compose

github.com/Mrun25/GiSTo

- Built supplier-risk scoring, a dashboard and Telegram bot; isolated a mock-GSP adapter from core logic and packaged the services for one-command Docker Compose startup.

WatchTower - Passive AI-Agent Supervision | Node.js, VS Code Extension API, LLM API

github.com/Mrun25/WatchTower

- Built a deterministic JS/Python codebase map with an advisory-only LLM; added 43 automated checks for parsing, cross-language matching and incremental updates.

TheBate - Live AI Debate Platform | Next.js, TypeScript, LLM APIs, Vercel

github.com/Mrun25/TheBate | the-bate.vercel.app

- Built a 9-provider LLM fallback chain with output validation and grounded citations; added rate limiting, CI and 23 tests.
- Evaluated on 20 debate motions: 95% completion, with latency and citation statistics reported.

AWARDS & CERTIFICATIONS

Monad Blitz Pune 2026 - Overall Winner (Mneme, team project) | I-HACK 2025, IIT Bombay | IEEE Tech for Good 2026

Hack for Humanity hackathon - 1st prize

Google Responsible AI | Google Gen AI Study Jam | Microsoft Data Analytics 101 | Deloitte Virtual Internship (2025)