

Dhruv Pawar

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EDUCATION

D.Y. Patil International University

B.Tech in Computer Science Engineering (Honors in Data Science)

Pune, MH

2022 – 2026

RESEARCH & PROJECTS

Advanced AI Reasoning System: Enterprise LLM Application

🐙 GitHub

- Architected production-grade AI platform implementing 6 reasoning methodologies (Tree of Thoughts, Chain of Thought, Self-Consistency) with modular microservices achieving 500+ tokens/second throughput.
- Built real-time analytics dashboard with automated reporting and multi-format export (JSON, Markdown, PDF).

Neural Data Analyst: AI-Powered Business Intelligence Suite

🐙 GitHub

- Developed NLP-to-SQL agent translating natural language into optimized queries with 90%+ accuracy for automated data retrieval and visualization.
- Engineered LLM benchmarking framework evaluating 6 models across latency, accuracy, and cost metrics for production optimization.

EXPERIENCE

Open-Source AI/ML Contributor

Remote

Open Source AI/ML Community

May 2025 – Aug 2025

- Engineered production-grade generative AI systems achieving inference speeds exceeding 500 tokens per second through performance optimization, efficient token management, and algorithmic improvements.
- Architected scalable LLM infrastructure with token optimization strategies and rate-limiting mechanisms, ensuring cost-efficient API operations and robust production deployment.

Software Development Intern

Surat, GJ

Stealth Startup (Early-Stage Tech Company)

May 2024 – Aug 2024

- Optimized SQL database queries and implemented indexing strategies, improving query execution performance for high-traffic enterprise applications.
- Integrated AI/ML models with custom LLM prompting strategies, enhancing response accuracy through systematic optimization.

Community Ambassador

Remote

Pregrad Research Community

Apr 2023 – May 2023

- Delivered 15+ technical workshops on AI/ML topics and research methodologies to 200+ community members, fostering collaborative learning and knowledge dissemination.

TECHNICAL SKILLS

Languages: Python, Java, SQL, JavaScript, HTML/CSS

AI/ML: Large Language Models (LLMs), Natural Language Processing (NLP), Retrieval-Augmented Generation (RAG), Deep Learning, Model Evaluation & Benchmarking, Prompt Engineering, Inference Optimization, Vector Databases, Transformer Models, Model Fine-Tuning

Frameworks: PyTorch, TensorFlow, LangChain, Hugging Face (Transformers, Datasets), Scikit-learn, FAISS, Pandas, NumPy, Streamlit, FastAPI, Gradio

Tools: Git, GitHub, Docker, Jupyter, Google Colab, VS Code, MySQL, PostgreSQL

Cloud Platforms: AWS (S3, EC2, Lex, Comprehend, SageMaker), MLOps, Model Deployment

ACHIEVEMENTS

- **Dev-Clash 24-Hour Hackathon Participant:** Developed and deployed AI-powered adaptive learning chatbot using large language models and reinforcement learning algorithms, delivering personalized real-time student support within 24-hour timeframe.
- **Finalist, MaTPO Aptitude Idol 2025:** Advanced to final round among 35,000+ participants statewide, demonstrating exceptional analytical reasoning and problem-solving capabilities (Top 0.14%).
- **NPTEL Big Data Computing (Elite + Gold Medal — Top 5%):** Gold Medalist – NPTEL Big Data (IIT-Kanpur); ranked in Top 5%, with strong foundations in data analytics, distributed computing, and scalable systems.