

DHARMALA HRUDAI ADITYA

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SKILLS

Languages	Python, Java, JavaScript, SQL, C#, React
Cloud & ML	GCP, Azure, Kubernetes, Docker, LLM Fine-Tuning, Reinforcement Learning, Prompt Engineering
Certifications	Azure AI Engineer Associate; CCNA; NVIDIA-Certified Associate: Accelerated Data Science
Coursework	Data Structures, Algorithms, Operating Systems, Computer Vision, DL, AI, IoT, RL, System Design

EDUCATION

B.Tech in Information Technology with Honors in AI/ML	2020 – 2024
Vasavi College of Engineering, Hyderabad	CGPA: 9.00

EXPERIENCE

Specialist Programmer (AI Product Engineering)	Sept 2024 – Present
Infosys	<i>Hyderabad, India</i>

- **Built core agentic product capabilities** (Infosys Agentic Foundry/Topaz Fabric) by integrating MCP, long-term memory, and tool orchestration, **driving 45% higher MCP enablement conversion** (about 1 in 2 customer requests converted) across finance and oil & gas.
- **Improved domain reliability via SFT + evaluation pipelines** and prompt standards, **reducing recall errors by 80%** and increasing accuracy from **76% to 91%** across **3+** domain deployments.
- **Led GTM for local agentic AI with Microsoft** (Windows ML) for a BPM deployment, delivering **\$52M quarterly net positive cash flow, 25% accuracy gain, and 3x savings** in compute cost and energy usage via optimized model selection and scheduling.
- **Ranked in top 1% company-wide** for high-impact delivery; supported **4+ teams** through architecture reviews, production hardening, and release readiness.

Applied Researcher	Apr 2024 – Sept 2024
Genloop	<i>Bangalore, India</i>

- **Implemented multi-adapter LoRA fine-tuning on GCP** (containers + autoscaling), enabling **\$10K+ annual infra savings and 25% lower latency** for an LLM training platform supporting **5+** internal workflows.
- **Increased customer engagement by 20%** by running a weekly “Tuesday Papers” program (summarized **5 papers/week**) with actionable extracts posted across the platform.
- **Data-to-Insights R&D:** Engineered backend for GenAI platform, introducing Clarification Graph and LLM Observability to improve Text-to-SQL to **85% accuracy** (Spider benchmark)

AI Labs Intern	Jun 2023 – Mar 2024
Brane Enterprises @ NSL HUB	<i>Hyderabad, India</i>

- **Delivered \$50K cost savings** by deploying refined LLMs on Jetson Xavier with Kubernetes + Ray Serve, achieving **sub-300ms median response time** for common low-code workflows.
- **Generated 1M+ training datapoints and fine-tuned models** on NVIDIA V100 for **6 language tasks**, improving benchmark performance by **12–20%** via data curation and prompt engineering.

PROJECTS

VQA on Remote Sensing Images – Vasavi College

- **Published in Springer LNNS proceedings** by developing a custom U-NET trained on RSVQA, surpassing baseline methods on Hamming distance and F1 score.
- **Improved “Presence”-type question accuracy by 14%** by integrating the model as an expert module within an open-source multimodal model using fine-tuning and controlled prompts.

LEADERSHIP & RECOGNITION

- **Springer LNNS publication:** “Contextual Visual Question Answering on Remote Sensing Images.”
- **Selected for Amazon ML Summer School Apprenticeship** (mentored by Amazon Scientists); mastered industrial ML pipelines and **graduated with distinction**.
- **Chosen as 1 of 400 Google Developer Student Clubs Leads** from a nationwide pool; fostered a developer community of **500+ peers** by mentoring students and organizing tech initiatives.
- **Elected IEEE Student Branch Chair** for GRSS and CIS chapters; orchestrated **3+ nationwide workshops** and student capability-building programs.