

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

## EXPERIENCE

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

- **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.

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

- **Implemented multi-adaptor 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)

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

- **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.