PRAGNYAN RAMTHA

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SUMMARY

I am an AI Research Scientist specializing in large language model fine-tuning, with expertise in Machine Learning and advanced pure mathematics across core areas of Artificial Intelligence.

SKILLS

Languages : Python, C, Java, Bash, SQL, TypeScript, ReactJS.
Tools: NumPy, Pandas, PyTorch, Hugging Face transformers, scikit-learn, XGBoost, unsloth, ollama.
Certifications & Training: Machine learning certification (Deeplearning @ Stanford), CS50: comp. Sci. (Harvard University).
Achievements : IEEE Soc Hackathon winner, daydream @ hackclub finalist , Top 0.5 % in Shell AI Hackathon.

WORK EXPERIENCE

Six Axis Studios (8 employee venture-backed startup)   Hyd, TG
Founding Engineer   May 2025 – Aug 2025
- Built and deployed an AI agent using GCP Vertex AI to handle customer support queries, reducing response times by 50% and improving customer satisfaction by 65%.
- Found insights in client data to improve the company's sales by 20%.
- Built ai agents to increase efficiency and productivity of the company by 30%.

Open Source Contributions (github)   Remote
GIthub contributor   Jan 2025 – Present
- Actively Contributed to 25+ open-source projects, across various organizations.
- Shipped various features, Refactored and enhanced the codebase to boost maintainability, achieving an 80% developer satisfaction rate.
- Winner of IEEE Summer of Code (IEEESoC) Hackathon 2025, for open source contribution to multiple projects.

PROJECTS

AUTOPILOT – OS LEVEL AUTOMATION WITH AI   July 2025
- Engineered an AI-driven OS automation system leveraging function calling and tool-use paradigms to execute complex natural language tasks to achieve Low Level automation.
- Built a Reasoning + Acting agent framework with command sandboxing, reducing execution errors and achieving 45% faster task completion than manual workflows.

CheatSheet AI – REAL TIME AI POWERED CHEATSHEETS   Jun 2025
- Developed a RAG-based system with semantic chunking and vector embeddings to generate contextual study cheat sheets.
- Implemented semantic chunking with vector embeddings and multi-shot learning, improving content relevance and slashing user study time by 65% compared to traditional methods.

PERSONALITY-TRAINED LLM – AI PERSONALIZATION   Mar 2025
- Fine-tuned a Large Language model, leveraging PEFT (QLoRA) and contrastive learning on private conversational data to emulate personal response style.
- Implemented a siamese network architecture with cosine similarity loss, which improved semantic embeddings and achieved 92% accuracy in replicating my response style, a 28% improvement over baseline models.

EDUCATION

N.I.A.T — MRV UNIVERSITY   Hyd, TG
Bachelor of Engineering - CSD   Expected June 2029
Cumulative GPA: 9.0/10 - Top 3 academic rank (2023-2025)
Coursework : Software and Full stack Engineering, Research and development, AI and ML.