

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: PyTorch, Hugging Face transformers, scikit-learn, XGBoost, SentenceTransformers, NumPy, Pandas.

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 an AI agent 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](https://github.com))

Hyd, TG

Github contributor

Jan 2025 – Present

- Actively Contributed to 25+ open-source projects, across various organizations.
- Implemented various features, fixed major bugs and improved the codebase, improving code maintainability, leading to 80% 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

- Built an AI-driven OS automation system leveraging function calling and tool-use paradigms to execute complex natural language tasks to achieve Low Level automation.
- Implemented a Reasoning + Acting agent framework with safe command execution sandboxing, causing reduced execution errors and resulting in 45% faster task completion compared to 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, causing improved content relevance and resulting in 65% reduction in user study time compared to traditional learning methods.

PERSONALITY-TRAINED LLM – AI PERSONALIZATION

Mar 2025

- Fine-tuned a SentenceTransformer model using contrastive learning on private conversational data to emulate personal response style.
- Implemented a siamese network architecture with cosine similarity loss, causing improved semantic embeddings and resulting in 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 Development , Research and development, AI and ML.