

# PRAGNYAN RAMTHA

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## SUMMARY

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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

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**Languages :** Python, C, HTML, CSS, React, TypeScript, Bash, SQL,

**Tools:** NumPy, Pandas, Scikit-learn, Pytorch, xgboost, transformers, unsloth , opencv, YOLO.

**Certifications & Training:** Machine learning certification (Stanford), CS50: comp. Sci. (Harvard University).

**Achievements :** IEEE Soc Hackathon winner, daydream @ hackclub finalist , Top 0.5 % in Shell AI Hackathon.

## WORK EXPERIENCE

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### **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)

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

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### **AUTOPilot – OS LEVEL AUTOMATION WITH AI**

July 2025

- Using function calling and tool-use paradigms, built an intelligent AI automation system that performs complex tasks using natural language commands and AI agents.
- 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

- Using retrieval-augmented generation (RAG) and chain-of-thought prompting, I developed an AI system that generates contextual cheat sheets for various topics.
- 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

- Using contrastive fine-tuning methodology, I fine-tuned a Sentence Transformer (SBERT) on my Instagram chats to mimic my 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

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### **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 Development, Full stack Development , Research and development, AI and M.