

Pragnyan Ramtha

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EDUCATION

YET TO BE ENROLLED

BACHELOR'S OF TECHNOLOGY

Hyd, TG

Expected May 2029

Major in Computer Science; *Minor in Artificial intelligence and Machine learning*

Cumulative GPA: 9.0/10.0; Consistently ranked top 3 in college throughout the years.

Relevant Coursework: Full Stack applications , Software Engineering; Operating Systems; Algorithms; Artificial Intelligence, Machine Learning and Blockchain Technology.

PROJECTS

RECIPRO - FULL STACK SOCIAL PLATFORM ON BLOCKCHAIN (ICP)

May 2025

- Designed and built a fully decentralized social networking platform using a custom-built JavaScript library with vanilla JS.
- Implemented secure on-chain post sharing and retrieval, enabling full decentralization without third-party dependencies; **Top 3 winner out of 500+ teams** in a blockchain-based hackathon.

SYNAPSE GRAPH - A KNOWLEDGE GRAPH NEURAL NETWORK

July 2025

- Developed a Graph Neural Network to detect sentence boundaries in a knowledge graph built from SVO and co-occurrence relationships; Engineered a traversal algorithm that identifies linguistic structure without relying on word order
- Achieved **93.31% accuracy** in identifying sentence structures without access to the original word order.

LEARNIT - AN AI PERSONALITY CLONER

June 2025

- Built a conversational AI capable of simulating personalities of historical figures using prompt engineering and NLP techniques.
- Got reviewed as “**Most Creative web design**” in a 5-day AI Vibe-a-thon.

CURRENT ACTIVITIES

OPEN SOURCE CONTRIBUTIONS

Hyd, TG

HIGH LEVEL CONTRIBUTIONS

june 2024 – Present

- Identified and fixed a major performance bug in Scrapy, leading to 200% faster execution and significant memory optimization.
- Contributed to the Gemini CLI tool by integrating a secure installation middleware for password input.

COLLABORATIONS

TEAM LEAD

Jan 2025 – Present

- Lead a team of developers (including IITians) in building a next-gen **AI-driven EdTech platform** aimed at personalized upskilling for Indian learners; Overseeing architecture, design decisions, and AI integration.

ADDITIONAL

Technical Skills: Advanced in Python, Javascript,Node, HTML/CSS; Proficient in Bash, SQL,numpy, pandas, matplotlib, scikit-learn,tensorflow.

DevOps: Git, GitHub, Docker, Linux (Ubuntu, Arch, Kali), WSL, Vercel, Colab, kaggle, shell & version control.

Languages: Fluent in Telugu, Hindi, and English; Conversational in Tamil and Japanese

Certifications & Training: Machine learning certification (Stanford), CS50: comp. sci. (Harvard university)

Awards: *Top 3 Finalist* – IEEE SoC @ BMSIT (2000+ participants); *Best Website Design* – ICP Hackathon