PRAGNYAN RAMTHA

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EDUCATION

N.I.A.T — AURORA DEEMED UNIVERSITY   Hyd, TG
Bachelor of Engineering   Expected May 2029
Major in Computer Science; Minors in Artificial Intelligence and Machine Learning.
Cumulative GPA: 9.0/10 ; Top 3 academic rank (23-25)
Relevant Coursework: Software Engineering, Full stack Development, Operating Systems, Artificial Intelligence, Machine
         learning and research work.

WORK EXPERIENCE

Six Axis Studios (8 employee venture-backed recruitment startup)   Hyd, TG
Founding Engineer   May 2025 – Aug 2025
- Designed, developed, and deployed the company's official website using React and Vite.
- Built and integrated a conversational AI chatbot to handle client inquiries, improving user satisfaction.
- Developed a real-time AI-powered analytics dashboard to interpret business data and generate actionable visual insights.
- Self-hosted the website on a Raspberry Pi server, implementing network configuration, security hardening, and uptime monitoring.

PROJECTS

AUTOPILOT – OS LEVEL AUTOMATION WITH AI   July 2025
- Developed a cross-platform AI automation assistant for Linux and macOS on the operating system level using TypeScript and Node.js.
- Enabled natural language system management with Google Gemini integration, smart package management for 8+ package managers, progressive error handling, and personalized context-aware task execution.
- Self-hosted Open-source deployment with secure configuration, automated retries, and AI-powered error resolution.

REZO SEARCH – CONVERSATIONAL SEARCH ENGINE   Jun 2025
- Built a meta-search engine in Flask aggregating Google, Tavily, and other sources, with AI-powered ranking and summarization using Google Gemini 2.5 Flash.
- Developed a conversational mode that rewrites queries and maintains context across multiple turns for follow-up questions, seamlessly integrating into next searches.
- Designed a JSON-based API endpoint with support for multiple output formats for developer integration.

PERSONALITY-TRAINED SLM – AI PERSONA   Mar 2025
- Collected and preprocessed personal chat logs and social media posts as training data, while ensuring privacy and data sanitization.
- Developed a mini LLM and fine-tuned a Sentence Transformer model using personal chat logs and social media posts to emulate my conversational style.
- Integrating retrieval-augmented generation for context continuity and prompt conditioning to preserve personality traits across sessions.
- Training a lightweight custom LLM for low-latency inference and offline deployment.

ADDITIONAL

Technical Skills: Advanced in Python, JavaScript; Proficient in React, Bash, SQL, Flask, NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, Prompt Engineering.
DevOps *:* Git, GitHub, Docker, Linux (Ubuntu, Arch, Kali), WSL, Vercel, Colab, Kaggle, Shell, IOT deployments like Raspberry Pi.
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