Yaswanth Kandikattu

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Summary

Online Chat Support Analyst with 3+ years of experience building agentic systems, LLM pipelines, and reinforcement learning environments for research and customer use cases. Hands-on experience building evaluation harnesses and benchmarks (including SWE-bench-style environments) to measure model accuracy, robustness, and cost. Experience with fine-tuning (PEFT, RLHF), synthetic data generation, and deploying local/self-hosted models for inference and automation, with strong documentation practices for reproducibility across 50+ enterprise deployments.

Technical Skills

Agentic & RL Systems: Reinforcement Learning Environments, Agent Environments, Task Specification & Scoring, LangChain, LangGraph
Evaluation & Benchmarking: Evaluation Harnesses, SWE-bench, Model Testing Pipelines, Benchmark Development
Model Experimentation: Fine-Tuning, PEFT, RLHF, Adapter Training, Synthetic Data Generation
Model Deployment: Local/Self-Hosted Model Deployment, PyTorch, Hugging Face Transformers
Programming: Python, SQL, JavaScript
Infrastructure: AWS, GCP, Docker, Kubernetes
Process: Git, GitHub, Documentation, Reproducibility

Professional Experience

Online Chat Support Analyst — Keyloop India Private Limited June 2023 – Present
Hyderabad, India

- Built **reinforcement learning** and agent environments, by designing task specifications, scoring, and evaluation for real-world use cases across **50+ enterprise** deployments.
- Developed evaluation harnesses and benchmarks, by building **SWE-bench**-style testing pipelines to measure model accuracy, robustness, and cost.
- Ran fine-tuning and adapter experiments, by applying **PEFT** and **RLHF** techniques and generating **synthetic data** to evaluate model behavior.
- Deployed local and self-hosted models for inference and automation, by documenting experiments, configurations, and results for reproducibility, earning **5× Rewards & Recognition** awards.

Freelance Web Developer (Part-time, alongside full-time role) March 2025 – October 2025
Remote

- Built **responsive websites** for clients on **Upwork** using **React.js, Node.js, JavaScript, HTML, and CSS**, translating client requirements into production-ready web applications.
- Developed **frontend and backend features** using React.js and Node.js, integrating **REST APIs**, databases, and third-party services to deliver customized client solutions.
- Managed development through **requirements gathering, testing, deployment, debugging, and client support**, while optimizing application performance and responsiveness across desktop and mobile platforms.

Technical Projects

ResumePro: AI-Powered Application Platform | *Google Gemini, FastAPI, React, LangChain, REST APIs* Link

- Reduced resume-to-application time by **80%**, as measured by user testing sessions, by building an end-to-end **LLM pipeline** using **Google Gemini 2.5 Flash** and **FastAPI** that parses PDFs, computes ATS scores, detects skill gaps, and generates tailored outputs automatically.
- Enabled real-time job matching across **3 platforms** simultaneously, as measured by API response logs, by integrating **LinkedIn, Naukri, and Indeed REST APIs** with structured validation and schema mapping.

Genesis AI: Custom-Trained LLM — Founder | *PyTorch, Transformer Architecture, BPE Tokenizer, Distributed Training* Link

- Founded and developed **Genesis AI**, designing and training a transformer-based language model from scratch in **PyTorch** with multi-head self-attention and a custom **BPE tokenizer**, reducing training loss by **38%** over baseline.
- Improved model convergence speed by **3×** through optimized **multi-GPU distributed training**, tuned batch sizes, and learning-rate scheduling.

Education

Annamacharya Institute of Technology and Sciences Tirupati, India
Bachelor of Technology in Computer Science Engineering *2019 – 2023*

Certifications

Claude 101: Claude with the Anthropic API — Anthropic (Link)
Claude Code in Action — Anthropic (Link)

Achievements

Achieved **6,024th rank out of 90,678 participants** in the **PrepSAT Hackathon**, placing among the **top 6.7%** of participants.
Recognized as **Runner-Up** in **Loopathon**, Keyloop's internal hackathon, for developing and presenting an innovative technical solution.