

Ram Potham

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Education

CARNEGIE MELLON UNIVERSITY, School of Computer Science

December 2024

Bachelor of Science in Artificial Intelligence

Selected Coursework: Autonomous Agents, Natural Language Processing, Visual Language and Recognition

Research Experience

Alignment Research Fellowship (AI Safety Global Society)

Mentor

April 2025 - Current

- Taught ARENA curriculum, guided discussions on AI Safety

Topic: Enhancing Fashion E-Commerce with AI: Multi-LoRA Approach

2024

- Fine-tuned Multi-LoRA adapters on Stable Diffusion to improve low-resource AI adaptation for VLMs
- Investigated failure modes in AI-generated apparel representations, optimizing captioning and retrieval

Carnegie Mellon - Chimps Lab

AI/HCI Researcher

May 2022 - April 2023

- Developed a crowd-auditing framework ([WeAudit](#)) to identify robustness failures in AI models, focusing on bias
- Contributed to human-in-the-loop AI evaluation, researching how AI misclassifications impact decision-making

Industry Experience

Sitewiz

Founder / CEO / CTO

November 2023 - May 2025

- Developed autonomous AI agents for, analytics and UI/UX automation, ensuring alignment with business KPIs
- Reduced reliance on human oversight by 90%, demonstrating safe deployment of automated insights

NullSpace

AI Engineer

March 2023 - July 2023

- Developed LLM-powered interfaces to simplify blockchain adoption for new users.
- Implemented AI-driven explanations for cryptocurrency protocols.

Harness

Machine Learning Intern

May 2022 - August 2022

- Developed time-series forecasting models for cloud cost projections
- Implemented anomaly detection using adaptive error thresholds to flag billing anomalies

Carnegie Mellon University

AI Teaching Assistant (Special Topics: Designing Smart and Healthy Systems)

October 2021 - December 2021

- Led labs for a Master's-level AI course, guiding students in machine learning best practices / model evaluation
- Provided technical mentorship on AI infrastructure, ensuring models were deployed safely

Skills

- **AI Safety & Interpretability:** Robustness Testing, Benchmarking, Guardrails, Preference Alignment
- **ML & Cloud:** Python (TensorFlow, PyTorch), AWS (Serverless, Lambda, S3)
- **Leadership & Strategy:** AI Risk Mitigation, Experimentation, Decision-Theoretic AI

Distinctions

- [Automated Agentic System Optimization poster](#) accepted into CMU Agent Workshop
- AI Safety Fundamentals Transformative AI Certification from Bluedot
- AWS Certified Machine Learning – Specialty Certification
- Innovation Scholars Program at CMU
- USAMO qualifier - The United States of America Mathematical Olympiad