

Adarsh Saripalli

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SUMMARY

Founding AI Engineer with 2+ years of experience who builds 0→1 agentic systems. Architected production AI products, including hybrid RAG for federal contracting, indexing 1,000+ documents reducing manual RFP research by 70% on AWS Bedrock. Specialized in Agentic Workflows (LangGraph/n8n), Voice AI latency optimization (<500ms), and Prompt Engineering.

WORK EXPERIENCE

FOUNDING ENGINEER, AGENTIC SYSTEMS: CELLANOVA TECHNOLOGIES, LLC

Jun 2025 - Present

San Francisco, CA · Contract Prompt Engineer Jun-Aug 2025; converted to first founding engineer

NovaRFP · cellanovatech-rfp.com

- Federal contracts are disqualified over a single unsupported compliance claim, so a system that infers is a liability. Built the **RAG requirement-extraction layer** to bind each of **23 obligation types** to its source span and emit "not stated" when the solicitation is silent. Used **LangSmith** and a **60-question evaluation set** to achieve **96.2% claim traceability**.
- Reduced manual bid evaluation time by 70% by building an AI scoring engine that evaluated **1,700+ SAM.gov** solicitations across **16 signals**, replacing manual review with a ranked queue and automated reasoning.
- Built the **capture pipeline end to end**, covering **SAM.gov ingestion**, **PIEE solicitation retrieval**, and automated **Section L/M mapping** that converts a 100+ page PWS into a structured requirement set with evaluation criteria attached. Ingested 1700+ solicitations spanning civilian and DoD agencies during development.
- Eliminated unreliable single-pass extraction on **100+ page solicitations** by architecting a **7-stage LangGraph multi-agent** pipeline on **AWS Bedrock** with schema validation, source-level traceability, and tenant-isolated retrieval. Engineered the platform's security and data-handling controls aligning with **SOC 2, ISO 27001, NIST, and FedRAMP**.

NovaRecruit · cellanovatech-dvm.com

- Veterinary employers were re-verifying every candidate's license by hand before agreeing to a call, the slowest step in the hire. **Accelerated time-to-hire** by automating veterinary license verification across **9 public licensing sources**, reconciling records instantly at ingestion to eliminate manual employer checks.
- Recruiters were working a spreadsheet, an inbox, and three job boards in parallel. Shipped a **multi-tenant recruiting workspace** that **unified 4 external integrations**: Gmail OAuth with scheduled thread sync, webhook ingestion, Google Sheets import, and enrichment APIs, plus geospatial candidate ranking to prioritize proximity to hospitals.
- Architected and scaled **production infrastructure** for both platforms, spanning **13 AWS services**, **Supabase/Postgres**, **JWT auth** with credentials held outside application code, and **CI/CD** from commit to deploy. First platform reached production in **16 weeks** from kickoff.

RESEARCH ASSISTANT: Center for Human, AI and Robot Teaming, Arizona State University

NOV 2023 - APR 2024

Tempe, AZ · Artificial Social Intelligence for Successful Teams (ASIST) Study 4 Dragon Testbed Dataset

Note: Focused on MS thesis completion and early-stage project development from May 2024 to June 2025.

- Built Pydantic-typed data pipelines to generate, validate, and structure **1,000+ state-action** pairs for Minecraft-based human-AI teaming research under **DARPA's ASIST program**.
- Engineered agent-evaluation workflows for dynamic Minecraft environments, contributing to the **1,160-game human-AI teaming dataset** to study **AI situational awareness, teammate behavior, and decision-making**.
- Improved inference throughput by **15%** using **NVIDIA Triton Inference Server and XLA compilation**, optimizing model serving for large-scale agent evaluation.

TECHNICAL SKILL

Agentic AI and Eval: LangGraph, AWS Bedrock, LangChain, LangSmith, Prompt Engineering, RAGAS, LLM as Judge, nDCG/Recall mcp-use, Fine-tuning (PEFT, QLoRA, RLHF), Pinecone, HuggingFace, VLMs, OpenAI API, Anthropic, LiveKit, Twilio, WebRTC

ML & Systems: PyTorch, TensorFlow, TensorRT, Triton, ONNX, Pandas, NumPy

Full Stack: Python, C++, TypeScript, JavaScript, Node.js, FastAPI, GraphQL, Pydantic, React, Next.js, Tailwind CSS

Backend & Infrastructure: AWS (Bedrock, Lambda, EC2, S3, Amplify), Docker, Supabase, PostgreSQL, Redis, OAuth/JWT, CI/CD

Integrations & Automation: SAM.gov, PIEE, A/B Testing, Salesforce, Gmail API, Google Sheets API, n8n

EDUCATION

Master of Science in Computer Science

MAY 2025

Arizona State University, Tempe, AZ, US.

3.93/4.0 GPA

Bachelors of Technology in Computer Science

MAY 2023

Andhra University, Visakhapatnam, AP, India.

8.62/10.00 GPA