

Aarav Jain

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Computer Science graduate (UC Davis) and incoming MS in Artificial Intelligence candidate at Northeastern University. Currently building production agentic AI systems, LangGraph research agents, MCP tooling; shipped an LLM-powered iOS app to the App Store. Seeking AI/Software engineering and product roles.

EDUCATION

Northeastern University, Khoury College of Computer Sciences

Boston, MA

Master of Science in Artificial Intelligence

Present – April 2028

University of California, Davis

Davis, CA

Bachelor of Science in Computer Science, Minor in Technology Management; GPA: 3.4

Sept 2022 – June 2026

- Relevant Coursework: Machine Learning, Artificial Intelligence, Software Engineering, Operating Systems, Computer Architecture, Human-Computer Interaction, Probability and Statistical Modeling

WORK EXPERIENCE

CWW Group

Remote

AI Engineering Intern

June 2026 – Present

- Built an agent that researches acquisition targets and generates reports in **~3 min** vs. **2–3 hrs** manually.
- Orchestrated multi-step workflows in **LangGraph** using **AWS Bedrock** LLMs and **Tavily** web search.
- Stabilized and shipped the **MVP**; traced and evaluated runs with **LangSmith**.

EY (Ernst & Young)

Mumbai, India

Software Engineering Intern

June 2025 – Aug 2025

- Developed and debugged **10+ ABAP programs**, reducing report errors by **15%**.
- Optimized **SQL queries** on **500K+** records, cutting runtime by **30%** and enhancing data efficiency.
- Delivered **5+ FS-to-Report implementations**, contributing to solutions impacting **2,000+ end-users**.
- Implemented **SAP BTP workflows** for cross-system integration, enabling **real-time updates (3 apps)**.

Thinking Code

Remote

Frontend Developer

June 2025 – Sept 2025

- Delivered thinkingcode.com end-to-end: built a responsive **React** site from **Figma** designs, deployed via **Vercel**.

PROJECTS

MCP-DLP — Data Loss Prevention Server | *Python, FastMCP, Pytest*

May 2026 – June 2026

- Built a **Model Context Protocol (MCP)** server with **11 PII/credential rules**, redaction, and audit logging.
- Added request blocking on rule violations; validated end-to-end behavior with a **24-test pytest suite**.

Munch — Smart Pantry & Recipe App | Published on App Store

Jan 2026 – March 2026

SwiftUI, Flask, Firestore, Claude API, OpenAI API

- Shipped full-stack iOS app using **SwiftUI** and async **Flask** API with **10+ REST endpoints**, **SMS auth**, and **CRUD services** on **Firestore**.
- Integrated **Claude and OpenAI APIs** for LLM-driven recipe generation and intelligent ingredient matching.
- Implemented **AI-powered** ingredient scanning using **computer vision** and **LLM** pipelines.

Scanimals | *Swift, SwiftUI, CoreML, CreateML, Vision, MobileNet, DistillBART*

Jan 2025 – May 2025

- Designed and developed Scanimals, an iOS/iPadOS app that uses the device camera and **CoreML-powered MobileNet** model to recognize animals in real-time and display age-appropriate summaries using **DistillBART**.
- Implemented a clutter-free and child-friendly UI using **SwiftUI**, addressing major usability issues found in competitor apps.
- Achieved 94%+ recognition accuracy via **CreateML** fine-tuning and **Vision**-based real-time image capture with full feature access.

TECHNICAL SKILLS

Languages: Python, Java, Swift, JavaScript, C/C++, SQL, Go, Dart, HTML/CSS, Lisp, Prolog

AI/Agents: LangGraph, LangChain, MCP/FastMCP, AWS Bedrock, LangSmith, Tavily, RAG

Frameworks: Flask, React, SwiftUI, Firebase/Firestore, Django, Node.js, TensorFlow, PyTorch, SAP BTP

Tools: Git, GCP, Cursor, Claude Code, Pytest, RESTful APIs, Vercel, Figma, Agile, TAM/SAM/SOM Analysis