

Jenna Itani

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EDUCATION

M.S. Computer Science, GPA 3.74 | University of California, Los Angeles Jun 2026
B.S. Computer Science, GPA 3.8 | California State University, Long Beach Dec 2024
Relevant Coursework: Software Engineering, System Design, Web Applications, HCI, Machine Learning, NLP, Databases

EXPERIENCE

Software Engineer | IntuigenceAI Aug 2025 - Present

- Took a FastAPI microservice from prototype to production on Kubernetes with ArgoCD: an AI-assisted triage service that analyzes incoming Linear issues and posts generated PRDs and fix suggestions back to Linear as comments for engineers.
- Built full-stack features for an internal AI evaluation platform (Python), including views that visualize quality trends (a heatmap of scores over time and a per-environment breakdown) and automatic email and Slack alerts for regressions.
- Built automated end-to-end regression testing with pytest and Playwright, running twice daily and on deployments through GitHub Actions to detect application regressions.
- Built an LLM-as-a-Judge evaluation pipeline in Python using Kubernetes, GitHub Actions, and the Google Sheets API to validate model outputs, track quality regressions, and share results across the engineering team.
- Built input-processing logic for a production industrial AI agent that consolidates sheet IDs from P&IDs (piping & instrumentation diagrams) to structure engineering-document context for downstream LLM reasoning.

Frontend Developer Intern | Connectyfi Jan 2025 - Mar 2025

- Designed and built five responsive React/Tailwind pages for an academic networking platform, iterating through rapid prototyping, design reviews, and user testing to refine frontend functionality and usability.

Full Stack Software Engineering Intern | Panasonic Avionics Jun 2024 - Oct 2024

- Delivered file upload and management features for the Hangar developer platform (React, C#/.NET, AWS S3), enabling third-party developers to build, test, and deploy applications on Panasonic in-flight systems.
- Implemented REST API endpoints for attachment upload and download and built a C# multipart-upload tool for reliable large-file transfers to AWS S3.
- Collaborated cross-functionally with front-end and back-end engineers in Agile sprints to integrate React interfaces with C#/.NET backend services across file-management and ticketing workflows.

Machine Learning Fellow | Verizon (Breakthrough Tech AI) Aug 2023 - Dec 2023

- Built and trained YOLOv8 and image classification models (PyTorch, Hugging Face) powering a visual product similarity tool.

SKILLS

Languages: Python, TypeScript, JavaScript, C#, SQL, C++, HTML, CSS

Backend and Frontend: FastAPI, ASP.NET Core, Node.js, Express, Flask, REST APIs, GraphQL, SSE, React, Vue 3, Tailwind CSS

DevOps and Data: Git, CI/CD, Docker, Kubernetes (GKE), ArgoCD, GitHub Actions, CircleCI, pytest, Playwright, OpenTelemetry, Grafana, PostgreSQL, MongoDB, Firestore, Redis, AWS, GCP, Cloudflare, Linux

AI/ML: RAG pipelines, LangChain, LangGraph, LLM evaluation, PyTorch, Hugging Face

PROJECTS

Sapient, AI Tutoring Platform | sapient-ats.com | github.com/jitani04/Sapient

- Built and deployed a full-stack app (React 19/TypeScript with SSE streaming, FastAPI async backend, PostgreSQL/pgvector, Cloudflare R2) where students upload materials and get cited explanations, quizzes, and flashcards, built around an agentic layer with a typed tool registry and approval gates for sensitive actions.
- Implemented a mastery and spaced-repetition engine (Bayesian Knowledge Tracing, SM-2), shipped via Docker and GitHub Actions CI/CD with OpenTelemetry tracing into Grafana.

LocalLoop, Event Discovery PWA | github.com/jitani04/LocalLoop

- Built and deployed a Progressive Web App for discovering and tracking local events: Vue 3 SPA with a service worker and offline shell, Node/Express API, Firestore, Redis caching, and JWT auth with Ticketmaster event data and Gemini recommendations.
- Ran the full deployment: Dockerized frontend and backend on Google Kubernetes Engine via a GitHub Actions CI/CD pipeline (test, build, roll out), with HTTPS through cert-manager/Let's Encrypt and self-healing, scalable pods.

OrderFlow, Order & Inventory Management API | github.com/jitani04/OrderFlow

- Built an order and inventory management REST API in ASP.NET Core (C#) with EF Core and PostgreSQL, where placing an order reserves stock within a database transaction and confirms or rejects based on availability; secured with JWT auth.
- Containerized the service with Docker and deployed to Kubernetes on AWS, with a React admin panel for managing products, stock, and orders, plus unit and integration tests.