

Melisa Sever

📍 Mountain View, CA, USA ✉ melisasever481@gmail.com ☎ (650)7718750 🌐 in/melisasever 🖱 my-portfolio-delta-sand-5tfc79do2q.vercel.app/

EXPERIENCE

AI Engineer

Reality AI Labs

December 2024 - January 2026, San Francisco, California

- Built and shipped a production LLM syllabus-generation platform with LangChain, Gemini, and Vertex AI for educator workflows.
- Cut inference latency 60% and improved output coherence 50% by redesigning prompts and optimizing the inference pipeline.
- Automated theme detection and parallel image-prompt generation to speed AI content production.

Backend Engineer

Vibing Ventures

December 2022 - November 2024, San Francisco, California

- Built an AI assessment platform with personalized content generation using Python, FastAPI, and Vertex AI.
- Designed scalable REST APIs that supported real-time AI workflows and dynamic content delivery.
- Implemented CI/CD evaluation pipelines on Google Cloud, reaching 99% uptime.

Frontend Developer

Pixagor Data Center and Software Services Inc.

June 2022 - November 2022, Istanbul, Turkiye

- Built a healthcare appointment platform that increased online bookings 50%.
 - Improved app performance and async API handling, raising user satisfaction 60%.
 - Delivered production features on tight Agile timelines.
-

PROJECT

CodeAudit-LLM-Powered Code Review Assistant

github.com/melisavr/LLM-Powered-Code-Review-Assistant

- Built an LLM system that analyzes GitHub PR diffs with Groq (LLaMA 3.3 70B), reducing manual code review time by 70%.
- Processed 100+ code changes per session with automated diff parsing and sub-second inference latency.
- Generated 85% actionable fix suggestions, helping speed up secure development workflows.

LitGraphRAG-Intelligent Literary Knowledge Assistant

github.com/melisavr/LitGraphRAG-Intelligent-Literary-Knowledge-Assistant

- Built a graph-enhanced RAG assistant for literary research across 1,000+ text chunks.
- Improved multi-hop retrieval by combining knowledge graph linking with semantic search, boosting answer relevance by 50%.
- Designed a fast ingestion and query pipeline that returned answers in under 2 seconds.

Multi-Tenant SaaS Starter

github.com/melisavr/Multi-Tenant-SaaS-Starter

- Architected a production-ready SaaS backend with authentication, organization management, and RBAC across isolated tenants.
 - Reduced new B2B backend setup time by 80% through reusable API and database architecture.
 - Built scalable REST APIs to support rapid product launches without redesigning infrastructure.
-

EDUCATION

Bachelor of Science in Computer Science

San Francisco State University • San Francisco, CA

SKILLS

Languages: Python, TypeScript, JavaScript, SQL, Java

AI/LLM Systems: LLMs, RAG, AI Agents, LangChain, LangGraph, Prompt Engineering, NLP

Model APIs: OpenAI (ChatGPT), Anthropic Claude, Google Gemini, Groq / LLaMA

Backend: FastAPI, Django, REST APIs

Cloud & DevOps: Google Cloud Platform, Vertex AI, Docker, CI/CD

Databases: PostgreSQL, MongoDB
