

KIRO MOUSSA

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EDUCATION

Massachusetts Institute of Technology

Bachelor of Science, Computer Science, Data Science, and Economics

Western Center Academy

Valedictorian: 4.9 W GPA, 1510 SAT

Relevant coursework: AP Biology, AP Macroeconomics, AP Computer Science A, AP Calculus BC

Cambridge, MA

Class of 2029

Hemet, CA

Class of 2025

EXPERIENCE

LocAI

Founder

San Francisco, CA

June 2026 – Present

- Sovereign AI infrastructure for regulated enterprises: a turnkey software platform that deploys, secures, and operates open-weight LLMs entirely inside a customer's own perimeter (on-premise or air-gapped), so PHI/PII/ITAR data never leaves their walls.
- Built the full control-plane in Python/FastAPI - a gateway that routes each request to the best-fit local model (phi-4, Qwen 2.5, Llama 3.3), enforces RBAC and policy, and writes a tamper-evident, hash-chained audit trail for HIPAA/DORA/EU AI Act evidence.
- Designed an agentic action firewall - default-deny agent governance with just-in-time credential brokering to block zero-click prompt-injection and data exfiltration.
- Authored the go-to-market and positioning (sovereignty-first), and built the customer-facing landing page and live telemetry demo console.

SPECTR

Founder

San Francisco, CA

May 2026 – June 2026

- Built a payment integrity platform using frontier-model ensembles and LLM reasoning to detect fraud and improper payments in public funds.
- Engineered nine detection engines including deceased-recipient matching, behavioral drift, vendor clustering, and contract intelligence.
- Developed the 'Policy Navigator' feature to convert complex grant and code requirements into compliant, audit-ready workflows.
- Managing platform deployment and vendor payment analysis for local agencies and governments.

MIT Web-Lab (IAP 2026)

Cambridge, MA

January 2026

- Developed Full Stack Web Development Skills
- Integrated Socket.io for real-time functionality and managed data persistence using MongoDB
- Implemented secure authentication using Google OAuth 2.0, protecting user data
- Mastered skills in JavaScript, CSS, MongoDB, Express, React, Socket.io, and Node.js (MERN Stack)

PROJECT

Using Oscillation to Treat Nystagmus

Founder

Riverside, CA

February 2023-May 2025

- Nystagmus is the uncontrollable movement of the eyes, a currently incurable condition.
- Improved the vision of twelve individuals

LEADERSHIP

TekTrek Founder Residency

Founder Resident

San Francisco, CA

June -August 2026

- Selected as one of 30 student builders from MIT, Harvard, and Princeton for an intensive startup formation residency.

First Robotics Team 8472

Team Captain

French Valley, CA

August 2024 - February 2025

- Led a team of diverse interests and ages to collaborate, develop, and grow in competitions
- Programmed, built, and maintained robots for FTC competitions
- Ensuring optimal performance, earning up to 150 points through FTC's unique challenges and constraints
- Utilized Java to develop robust programs for complex tasks and error prevention

SKILLS

Technological: Python, Java, HTML, CSS, JavaScript, React, Figma, Google API, MongoDB, MatLab, Julia, Canva Design

Languages: Arabic (Fluent) & English (Fluent)