

AHMAD KHAMIS

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Education

Canadian Internation School

Abu Dhabi, UAE

Expected Graduation: June 2026

Work Experience

Open Innovation

Dec 15 2025 – Dec 29 2025

Innovation Intern

Abu Dhabi, UAE

- * Worked in an **open innovation environment** focused on rapid experimentation and evaluation of emerging AI technologies.
- * Gained hands-on exposure to **machine learning concepts** including **neural networks**, embeddings, and model evaluation pipelines.
- * Explored and implemented **Retrieval-Augmented Generation (RAG)** techniques using vector databases and semantic search to improve LLM context relevance.
- * Analyzed AI use cases by translating business problems into technical prototypes and feasibility assessments.
- * Developed understanding of the **end-to-end ML lifecycle**, including data preprocessing, training, inference, and deployment considerations.

Projects

Rentra | *Source Code*

ReactJS | Node.js | PostgreSQL

- * Architected and developed an **open-source full-stack property management platform** enabling centralized tracking of properties, tenants, leases, and payments.
- * Built RESTful backend services using **Node.js, Express, and PostgreSQL** with secure CRUD operations across core real-estate entities.
- * Implemented a modern frontend using **React and TypeScript**, focusing on responsive design and usability.
- * Containerized services with **Docker and Docker Compose**, ensuring consistent development and deployment environments.
- * Collaborated using Git-based workflows with feature branches and peer-reviewed pull requests.

Wallet Scam Detector (ML) | *Source Code*

Python | Machine Learning

- * Designed and implemented a **machine learning pipeline** to classify potentially fraudulent cryptocurrency wallets.
- * Engineered behavioral features from transaction data including frequency, value distributions, and interaction patterns.
- * Trained and evaluated supervised ML models with a focus on precision, recall, and minimizing false positives.
- * Performed data preprocessing, normalization, and exploratory analysis to improve model robustness.
- * Prepared the system for future integration with live blockchain data and automated risk scoring.

EthosAI | *Source Code*

TypeScript | React | Bun | AI / Blockchain

- Architected and built an **AI-powered behavioral analysis platform** that profiles Ethereum wallets by correlating on-chain activity with market data.
- Developed a modular full-stack application with **Bun / ElysiaJS backend, React/Vite/Tailwind frontend**, and **PostgreSQL data storage**.
- Designed and integrated **LLM-driven insights** with DeepSeek for explainable wallet behavior and pattern detection.
- Built real-time voice coaching via Discord using Deepgram STT and ElevenLabs TTS for conversational user interactions.
- Connected with Etherscan and CoinGecko APIs to fetch on-chain and market data for personalized behavioral insight generation.

Technical Skills

Languages: Python, SQL, HTML5, CSS, JavaScript, TypeScript

Developer Tools: Git, GitHub, Bash, Postman, Jira

Libraries and Frameworks: ReactJS, Node.js, ExpressJS, PostgreSQL, TailwindCSS, THREE.js