

Andre Ivan Melendez Cava

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Professional Profile

Full-Stack Developer in training with experience in academic projects and hackathons using React, Next.js, TypeScript, and Node.js. Strong knowledge of SQL databases (PostgreSQL, MySQL) and hands-on experience in implementing authentication, REST APIs, and responsive interfaces with TailwindCSS. Currently interested in integrating Python for backend development.

Education

Peruvian-British Cultural Association (Británico)	Jan 2020 – Apr 2024
• English – Level B2 (FCE preparation)	
National University of San Marcos	Apr 2023 – Present
• Software Engineering	
• Top 10% of cohort	
Supplementary Course	Mar 2023 – Present
• Information Technology Tools – UNMSM Computing Center (Certification in progress)	

Academic Projects

Full-Stack Developer , E-Commerce System (Prototype)	Mar 2025 – Jul 2025
• Designed the architecture with Next.js 14 (SSR/ISR) to improve SEO and initial performance.	
• Modeled and implemented the SQL database schema for products categorized into three categories, ensuring referential integrity and query efficiency.	
• Implemented API Routes in Next.js for the catalog, cart, and checkout endpoints, with data validation and centralized error handling.	
• Configured user authentication with NextAuth.js (OAuth + secure sessions) and developed a responsive interface with TailwindCSS and reusable components.	

Leadership and Activities

Frontend Developer - Participant , Eneisoft Hackathon XIV (Theme: Corruption)	Nov 2024
• Designed a prototype module for the Government of Peru's "Transparency Panel," adding a section for analyzing the relationships of public officials.	
• The project was implemented solely with React as a simple interface to demonstrate the basic flow, remaining at the prototype stage without production deployment.	
Frontend Developer - Participant , Hack-Nation Global AI Hackathon – 2nd Edition (Theme: AI in Education)	Aug 2025
• Developed an interactive AI-powered learning platform where users progress through lessons, interact with a GPT-4 assistant tailored to each lesson, and view their daily streak and progress.	
• Implemented Next.js, TailwindCSS, NextAuth, and PostgreSQL for authentication, user interface, and persistent storage of sessions, chats, and progress, with the project remaining in development without production deployment.	

Skills and Interests

Languages: Spanish (Native), English B2 (FCE preparation)

Technical Skills: JavaScript, Typescript, React, Next.js, Node, Python, TailwindCSS, PostgreSQL, MySQL, Git, GitHub.