Pamela Sánchez Arellano

☎ +52 33-2497-7097 | ✉ pamela.sann@hotmail.com | 🔗 /in/pamelasan/ | ⌗/pamelasann

EDUCATION

Tecnológico de Monterrey (ITESM)   Aug. 2022 – June 2026 (expected)
B.S. in Computer Science and Technology | *GPA: 96/100*   *Guadalajara, Mexico*

SKILLS

Programming Languages: JavaScript, TypeScript, C++, Python
Developer Tools: Git, GitHub, VS Code
Frameworks: Node.js (React JS, React Native), Remix
Spoken Languages: Spanish, English, German (Basic)

EXPERIENCE

Web developer Leader ⌗   Feb. 2024 – Ongoing
Neotech-e   *Guadalajara, Mexico*
- **Leading cross-functional collaboration** with designers, researchers, and engineers to **built a website**, enhancing team presence at the **2024 iGem Grand Jamboree**, the world's largest synthetic biology competition
- **Developing** and **designing** a **responsive website** using React and TypeScript, prioritizing user-friendly interface elements to effectively communicate the team's background, goals, and experimental results

Cybersecurity Intern   June 2024 – Ongoing
Echelon Risk + Cyber   *Remote*
- Collaborating with the **Defensive Security team** and learning **security best practices** such as vulnerability assessments and remediation strategies, improving security posture and reducing client risks
- **Assisting** in **delivering client and internal reports**, ensuring documentation aligned with security standards and accurately reflected assessment outcomes utilizing **strong attention to detail** and **technical writing skills**
- **Shadowing client** and **partner discussions**, contributing to operational efficiency and deepening understanding of client engagements

PROJECTS

Archetypes — Web & Mobile App (Hackathon winner) | *Oracle APEX*   Sept. 2024
- **Developed** a **habit-tracking application** using Oracle APEX, incorporating automated task progression and real-time data tracking with Oracle Cloud to facilitate gradual habit formation and enhance user experience at HackMty
- **Designed** a role model **feature** to **boost user engagement** by aligning habit tracking with admired traits

Pawlice — Simulation Platform | *Python* ⌗   Aug. 2024 — Sept. 2024
- **Architected** and **integrated intelligent agents** for a multi-agent prison simulator, using AgentPy to simulate autonomous decision-making and interactions within an interactive Unity interface
- **Leveraged Flask-SocketIO** to establish real-time communication between Python scripts and Unity 3D models

Learn-IA — Web App | *JavaScript, Remix* ⌗   March 2024 – June 2024
- Integrated university course content into a **structured web application**, providing essential topics, recommendations, and **personalized roadmaps**, enabling students to **track progress** and advance their learning
- **Leveraged OpenAI** to dynamically generate and grade quizzes, offering students personalized feedback to identify areas of improvement and optimize their learning experience

RamenAI — Web Application | *Python, Flask* ⌗   June 2024
- Built an OpenAI-powered ramen specialist **chatbot** that tailors recipes based on individual users' preferences
- Implemented OAuth for **secure user authentication** and leveraged a MySQL database for user management

Trust - iOS app (Hackathon winner) | *JavaScript, React Native* ⌗   Sept. 2023
- Developed an investment coach **iOS application** in less than **24 hours** that aims to make **investment opportunities** and **access more equitable** which can be seamlessly integrated with *Banorte*'s existing mobile application
- Adapted OpenAI and a real-time database to generate a chatbot and provide **personalized investment counseling**

LEADERSHIP

GitHub Campus Expert   April 2024 - Ongoing
- Student leadership initiative cultivating a strong **technical community** and **inclusive learning spaces** on campus