

# Diego Aimar Gómez de la Rosa

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## EDUCATION

### Anáhuac Oaxaca University

Bachelor of Information technologies and digital business engineering

Oaxaca de Juárez, Oaxaca

Aug. 2024 – Aug. 2028

## CERTIFICATIONS & COURSES

Computer Hardware Basics   <i>Cisco</i>	Sept. 2024
JavaScript Essentials   <i>Cisco</i>	Oct. 2024
HTML Essentials   <i>Cisco</i>	Jul. 2025
HackerRank Java Skills Verification   <i>HackerRank</i>	Nov. 2025
Artificial Intelligence with Machine Learning in Java – English   <i>Oracle</i>	Nov. 2025
Oracle Certified Associate: Java SE 8   <i>Oracle</i>	Expected Feb. 2026
HCIA-openEuler V1.0 Course   <i>Huawei</i>	In progress
HCIA-openGauss v1.0 Course   <i>Huawei</i>	In progress

## PROJECTS

Decision Tree Game Engine   <i>Java, Data Structures, AI Concepts</i>	Aug. 2025 – Sept. 2025
• Developed an interactive console-based game in <b>Java</b> utilizing decision trees to simulate basic Artificial Intelligence behavior.	
• Implemented a learning algorithm that expands the decision tree based on user input, allowing the game to 'learn' new objects.	
• Designed a recursive search mechanism to traverse nodes efficiently and predict user choices with high accuracy.	
Simple Battle Arena RPG   <i>Java, Maven, Multithreading</i>	Oct. 2025 – Dec. 2025
• Built a multiplayer RPG engine in Java applying core OOP principles: <b>Polymorphism</b> , <b>Encapsulation</b> , and <b>Hierarchy</b> .	
• Implemented <b>Java Networking (Sockets)</b> and <b>Multithreading</b> to handle real-time game state synchronization.	
• Managed project dependencies and build lifecycle using <b>Maven</b> to ensure code stability.	
Personal Website Blog   <i>Java, Spring Boot, React, Docker, PostgreSQL</i>	Present
• Developed a full-stack blogging platform using <b>Spring Boot</b> for the REST API and <b>React</b> for the frontend.	
• Integrated a <b>PostgreSQL</b> database specifically configured within a <b>Docker</b> container for data persistence.	
• Implemented Git for version control and deployed the application architecture using JSON for data interchange.	

## SKILLS

### Technical Skills

**Languages:** Java, C++, Python, SQL, JavaScript

**Frameworks:** Spring Boot, React, Bootstrap

**Tools:** Git, Docker, Linux (openEuler, Ubuntu), Databases(Postgres and Open-Gauss)

### Soft Skills

Leadership (Team Lead)

Critical Thinking

Problem Solving

Effective Communication