

# ABANOB AYOUB

## COMPUTER SCIENCE

SOFTWARE ENGINEERING

ARTIFICIAL INTELLIGENCE



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**OBJECTIVE** Pursuing a career in software engineering.

## PROJECTS

### CAR DEALERSHIP WEB APP

Sep 2023 - Dec 2023

#### Role: Back-End Developer

- Design UML, ERD, SSD, Use Cases Diagrams, and more.
- Design and implement relational database on MySQL Workbench.
- Develop the backend system from the ground up in Spring Boot.
- Interconnect subsystems for seamless communication.
- Configure routing and dependencies for backend tables.
- Employ JSON expressions during the testing phase.
- Maintain system reliability and workflow control.
- Collaborate with team members on the deployment procedures.

#### Role: Front-End Developer

- Create a user-friendly Pokédex interface for an enhanced user experience.
- Develop the home page UI using JavaFX, and CSS.
- Apply UI/UX principles for a consistent and user-friendly app.
- Collaborate with teammates to create Pokemon pages.
- Utilize GitHub and GitBash for effective team task management.

### Pokédex APP

Nov 2023 - Dec 2023

## EXPERIENCE

### MATH TUTOR

Pasadena City College STEM Center

- Tutoring various levels from Intermediate Algebra to Linear Algebra.
- Helping college students in one-to-one sessions and in groups.
- Supporting students to develop their critical thinking strategies.
- Communicating with various students from several backgrounds.
- Simplifying complex theories to help students acquire a deeper understanding of the curriculum.

## EDUCATION AND CERTIFICATIONS

**California State Polytechnic University** | Pomona, California

- Bachelor of Science, Computer Science      GPA 3.7 | Graduation Dec 2023

**Pasadena City College** | Pasadena, California

- Associate in Arts, Engineering and Technology      GPA 3.7 | Graduation Dec 2022
- CRLA TUTORING CERTIFICATION      Graduation Feb 2022

## SKILLS AND SOFTWARE

- Java
- C++
- Object-oriented designing and programming
- C#
- MySQL
- Developing windows and web applications
- JavaFX
- HTML
- Network devices and protocols
- CSS
- Spring Boot
- Problem solving
- Python
- UI/UX
- Machine Learning
- LISP
- GitHub
- JUnit