- **thesis work title:** AOS, <u>Algeria Online Store</u>
- Brief Summary:
  - AOS is a pioneering e-commerce platform aimed at addressing the unique challenges faced in the Algerian market. Our primary goal is to simplify the e-commerce experience by providing a centralized platform connecting sellers and buyers. We tackle key hurdles such as limited payment options and logistical constraints through innovative solutions.
- Problem Statement :
  - The question that guided our project was: How can we overcome the challenges of Algerian e-commerce to create a streamlined and accessible platform for both sellers and buyers?
- Description of Technologies and Approach:
  - In developing the AOS platform, we employ cutting-edge technologies to ensure optimal performance and user experience. For the website's frontend, we utilize **React.js** and **Tailwind CSS** to craft a dynamic and responsive interface. Our backend infrastructure, powered by **Express.js** and **Node.js**, ensures seamless data management and processing. **MongoDB** serves as our flexible database management system. For mobile development, **Dart** and **Flutter** framework enable us to deliver a cross-platform solution with native performance.
- API Integration:
  - We are going to integrate APIs provided by Chargili for seamless payment exchange functionalities. Chargili is a pioneering enterprise addressing payment exchange challenges in Algeria. Their APIs empower our platform to facilitate secure and efficient monetary transactions, overcoming the limitations posed by traditional banking systems. Additionally, we plan to integrate Yallidin's enterprise APIs, the premier express delivery service in Algeria. Yallidin offers nationwide logistics with optimal distribution quality, supported by local offices and dedicated high-level teams. By integrating Yallidin's APIs, we aim to streamline order fulfillment and enhance the overall e-commerce experience for our users with real-time tracking and efficient delivery services.
- Results and Impact:
  - We're still working on making AOS better. We're working on the first version of our platforme. Our goal is to help people buy and sell things more easily in Algeria. We're teaming up with other companies to make this happen. Our hope is that by fixing problems like paying for things and getting them delivered, we can help businesses grow and make life easier for everyone.
- Disol Microenterprise:
  - Disol is a microenterprise with a mission to develop software solutions aimed at simplifying and digitizing life for society. Our inaugural project, AOS, marks the initial step towards achieving this goal. While Disol has yet to be officially launched, AOS is our first big project. It's the starting point for what we want to do next to make things better using technology.