MOHAMED RAYEN ALMI

SOFTWARE ENGINEER

CONTACT

📞 +216 22142153   ✉ almi.rayyen@gmail.com   ◎ Marsa, Tunis
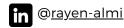
@mohamedrayen.almi   @rayenalmi   @rayen-almi   http://rayen.almi

PROFILE

Innovative software developer and student at ESPRIT with expertise in mobile and web development, game development, and VR/AR simulations.

EDUCATION

2022-Present	**ESPRIT , 3**nd year Computer Science Engineering
2019-2022	**Bachelor of Computer Science**

PROFESSIONAL EXPERIENCE

- **Aug 2024 Nov 2024**
  ESPRIT : Developing Instagram filters with Meta Spark AR technology and a multiplayer mobile game with Unity.
  Technologies : Unity , Netcode , SparkAR , Javascript

- **Freelance**
  A web application called Classy has been developed that is designed to manage classroom absences and notes, and provide statistical insights into these metrics.
  Technologies : React , Flutter , Express , MySQL
  Deployment: Ubuntu VPS , classy.tn

- **Jul 2023 Aug 2023**
  Tekru Technologies : A mobile app for doctors to prescribe personalized games for children, with progress tracking for parents and player data for doctors.
  Technologies : Flutter

- **Freelance**
  A mobile application that provides access to the penal code of a country, allowing users to search for laws or listen to them via text-to-speech.
  Technologies : Flutter , GetX
  Deployment : Play Store

- **Jan 2022 Jun 2022**
  HOOKED UP: Development of a mobile video conferencing application, with 3D Room immersion and 360° movement.
  Technologies : Flutter , Unity , MongoDB , Express , Agora

PROJECTS

- I developed a full-stack application using Spring Boot and React JS. I implemented a robust CI/CD pipeline with Jenkins.
  Technologies : Jenkins, SonarQube , JUnit , Docker , Kubernetes , Prometheus , Grafana

- A multiplayer game with environmental and educational themes has been developed, featuring roles as nature defenders or rogues across city,beach and forest maps.Tokens have been used to achieve profitability.
  Technologies : Unity , MongoDB , Express, Flutter , Mirror , Vivox, Hedera Blockchain

- React web app for voting, integrating a Smart Contract on Ethereum and Web3. The app likely enables users to participate in voting processes securely and transparently using blockchain technology.
  Technologies : React , Smart Contract , Etherum, HardHat

- VR chemistry lab simulation featuring experiments on mold growth, milk coloration, and flower coloration. Applied Shader Graph, complex mechanics, and VR controller interactions specifically for the Meta Quest 2
  Technologies : Unity, Shader Graph, Meta Quest 2

- 2.5D survival game featuring character leveling, weapon variety, and an in-game shop. Implemented core mechanics like resource gathering, and combat.
  Technologies : Unity

PROGRAMMING LANGUAGES

Java - Python - Flask - C# - ASP.NET - Unity - Blockchain - Smart Contract - Etherum - HardHat - Spring Boot - Meta Quest 2 - VR - Flutter - ReactJS -Meta Spart - AR - Javascript - NodeJS - Jenkins - Docker - Kubernetes - MySQL - Mongo DB - Git.

LANGUAGES

English, French