Kiram Ben Ali

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Software Engineering Student – Specialized in Mobile Development

Third-year Computer Engineering student, specializing in Artificial Intelligence, intelligent agents, automation, and mobile application development. Experienced in designing intuitive applications and intelligent solutions focused on performance and user experience .

Education

Arab University of Science, Preparatory Cycle in Mathematics and Physics	Sep 2021 – May 2023
ESPRIT – Private Higher School of Engineering, Software Engineering Degree	Sep 2023 – May 2026

Internship Experience

Summer Intern – Tunisian Bank Company — July 2024 – August 2024

Optimized network traffic by implementing firewall and VPN configurations using Packet Tracer for simulation, enhancing network security and performance.

Summer Internship – Refresh Branding Company — July 2025 – August 2025

- Innovative B2B mobile carpooling application that connects colleagues for shared rides, offering flexible scheduling, rewards, and enterprise integration to reduce costs and environmental impact.
- Technologies used: **Firebase**, **Flutter**, **Map API**

Academic Projects

Elva – Mobile Language Learning ChatBot — github.com/Elva

- Mobile application that allows users to practice any language through an **audio–video chatbot** and an interactive messaging system. Offers thematic sessions (job interview, art, travel, etc.) and oral tasks automatically validated through video analysis.
- Technologies used: **Flutter**, **NestJs**, **LiveKit**, **Google Translate API**.

ChicCircle – Mobile Application (iOS & Android) — github.com/ChicCircle

- Fashion application integrating AI (Gemini) to style and purchase clothes, offering personalized outfit recommendations based on weather, mood, etc., and includes a marketplace.
- Technologies Used: **NestJs**, **Kotlin with Jetpack Compose**, **SwiftUI & Swift Native**, **Firebase**

StepWise – Educational Mobile Application — github.com/StepWise

- Mobile app dedicated to educating children with Down syndrome, featuring interactive task systems tailored to each child's development. Integrates AI for task validation through an AI agent that triggers functions in real time.
- Technologies Used: **NestJs**, **Flutter**, **WebRTC**, **LiveKit**, **Gemini**, **WebSocket**

CareWise – Inclusive Mobile Application — github.com/CareWise

- Mobile app designed for parents to support the professional integration of their children with Down syndrome. Features an intelligent system using web scraping to recommend job opportunities.
- Technologies Used: **NestJs**, **Flutter**, **Automation (n8n)**

RobotWise – Educational Connected Tablet App — github.com/RobotWise

- Interactive tablet application connected to the JetRacer robot, designed to engage children in guided educational explorations.
- Technologies Used: **NestJs**, **Flutter**, **Python**, **WebSocket**, **Stream API**

Automation Projects with n8n

All-in-One Agent (n8n): Designed an agent linked to 4 sub-agents that uses the Tavily API for web search, manages emails, calendar, and Airtable from a single Telegram voice message, centralizing multiple critical tasks to save time and automate processes.

Telegram Chatbot & X (Twitter) Posting: Developed a chatbot that searches content on the web, submits it for user approval, and automatically posts on X (Twitter), optimizing content distribution and engagement.

Intelligent Email Management: Implemented a system that analyzes email content and automatically routes it (HR, urgent, finance) to the appropriate recipients, improving responsiveness and internal organization.

Chatbot with RAG: Built a Retrieval-Augmented Generation (RAG) chatbot that answers questions based on provided data, enabling precise information retrieval and intelligent user interaction.

Technical Skills

Frontend : Flutter, React Native ,React Js , Next Js, Jetpack Compose, SwiftUI │ **Backend :** NestJS, Spring Boot, .NET │ **Tools :** Docker, Jira, Trello, Notion, GitHub, Swagger, ESLint (test tool) , ClickUp

Languages

French: Fluent - B2 Level │ **English:** Fluent - B2 Level │ **Arabic:** Native Language

Volunteer Experience

Active Member: Rotaract Club