HAFEDH GUENICHI

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Current Location : Ariana, Tunisia

EXPERIENCE

Flutter Developer   Jul 2023 - Aug 2023

ACI (Alpha Connect International)   *Tunisia, Manouba*

1. Creating the UI
2. Integrating the application with Firebase
3. Generating unique QR codes for each user
4. Storing QR codes and user balances in Firebase
5. Developing the Backend to manage user balances and transactions
6. Connecting the application with hardware components (smart water bottle machines)
7. Implementing QR code scanning functionality in the smart water bottle machines
8. Handling payment transactions using the app and QR codes
10. Linking user balances to bank accounts and other payment methods
11. Testing the system for seamless operation between the app and hardware

EDUCATION

Engineer's degree, Security of Computer Systems and Networks
TEK-UP University
Expected Graduation: 2026
Relevant Courses: Computer Architectures, Networks & Operating Systems, RHEL Administration, Decentralized Version Control Git, Database Design & Development

Bachelor's Degree in Computer Science
ISIM Monastir
Graduated: 2023
Relevant Courses: IOT, Big Data, Business Intelligence, Machine Learning, Cloud Computing, Web Indexing, SOA, ...

PROFESSIONAL CERTIFICATIONS

- Red Hat Certified System Administrator (RHCSA) (IN-PROGRESS)
- INE eLearnSecurity Junior Penetration Tester (eJPTv2)
- Certified Network Security Practitioner (CNSP) (IN-PROGRESS)
- Microsoft Certified: Azure AI Fundamentals (AI-900)
- Certified Associate Python Programmer (PCAP)

PROJECTS

- **Personal Portfolio :** I developed a personal portfolio application using Flutter 3.22.2, Dart 3.4.3, Python 3.12, and Firebase, showcasing my proficiency in full-stack development and mobile app design. The portfolio features a responsive and intuitive user interface with dynamic animations and seamless navigation, highlighting my skills and projects effectively. Integrating Firebase provided real-time database management, user authentication, and cloud storage capabilities, ensuring robust functionality and security. This project not only demonstrates my technical expertise in cross-platform mobile development and Backend integration but also emphasizes my commitment to delivering outstanding UI/UX experiences (Link)

- **Developing an Online Banking System with Flutter & Java :** This project involved restructuring the networking architecture, establishing a primary security layer, conducting both passive and active attacks to identify vulnerabilities, and finally, implementing advanced security features to mitigate potential risks (Link)

- **Developing 'Dabka': A Wedding Management Mobile Application :** This project involved developing 'Dabka,' a mobile application designed to streamline wedding management using Flutter for the frontend and Firebase for the Backend. The process encompassed crafting an intuitive user interface, setting up a real-time database, and integrating various Firebase services. Key functionalities include event scheduling, guest list management, budget tracking, and task assignment. The application ensures seamless synchronization of data across devices, enabling users to efficiently plan and manage wedding events from anywhere. (Link)

- **Developing 'Smart Care': A Healthcare Communication Mobile Application :** This project involved developing 'Smart Care,' a mobile application designed to facilitate communication between doctors and patients using Flask for the Backend, Flutter for the Frontend, and Firebase for data management. The development process included designing an intuitive interface, integrating the Agora SDK for real-time chat, voice calls, and video conferencing, and ensuring secure data handling. The primary purpose of the application is to support the treatment of diseases like HIV, Hepatitis B, and Hepatitis C by enabling effective and timely communication between healthcare providers and patients. Key features include secure messaging, appointment scheduling, and Telemedicine capabilities, providing a comprehensive platform for remote healthcare management. (Link)

- **Developing 'Audio2Text': A Web Application for Audio Transcription :** This project involved developing 'Audio2Text,' a web application designed to transcribe audio into text using Flutter for the frontend and Flask for the backend. The development process included creating a user-friendly interface, integrating machine learning algorithms for accurate audio transcription, and ensuring efficient processing and storage of data (Link)

- **Developing an Exam Organizer Desktop Application :** This project involved developing a Flutter-based desktop application designed to assist users in organizing their study materials and schedules when preparing for exams like eJPT and eWPT. The application includes features such as creating and managing study plans, setting reminders for study sessions, tracking progress, and organizing notes and resources. The intuitive interface allows users to easily navigate through different sections, ensuring an efficient study process. Additionally, the application supports offline access, enabling users to organize and review their study materials anytime, anywhere. This tool aims to enhance productivity and provide a structured approach to exam preparation, helping users stay focused and on track. (Link)

TECHNICAL SKILLS

Linux System Administration; Penetration Testing; Security Operations & Monitoring; Incident Response; Network Forensics; Malware Analysis; Risk Assessment and Mitigation Planning; Firewall Configuration; Threat and Vulnerability Management; Vulnerabilities Analysis; Network Infrastructure Design & Configuration; Cryptography; Problem Solving; Development.

LANGUAGES

Arabic: Native; English: Advanced; French: Medium; German: Beginner