

Chouikhi Abdallah

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HackerRank

Summary

Enthusiastic second-year software engineering student with a solid foundation in software development and a passion for building real-world applications. Gained hands-on experience through personal and academic projects in web/mobile development, backend systems, AI, and DevOps. While I may not be the fastest learner, I focus on deeply understanding concepts—and once I do, I achieve strong mastery. Known for being a problem-solver, resourceful, and highly self-motivated. Actively seeking opportunities to grow and contribute to tech teams.

Education

Software engineering Higher Institute of Computer Science and Multimedia of Gabes	Sept 2023 – Present
Integrated Preparatory Cycle Higher Institute of Computer Science and Multimedia of Gabes	Sept 2021 – June 2023
Baccalaureate in Mathematics Technical high school Medenine	Sept 2020 – June 2021

Experience

Software Engineer Intern , Elitech Consulting	June 2024 – Sept 2024
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Developed HR/project management web app for IT startups with role-based access (HR, managers, developers)

Designed UML diagrams (use cases, class diagrams); built auth system (JWT, bcrypt) with password recovery

Manager features: Department dev management • Task creation/assignment • Analytics dashboard

Developer features: Task board • Leave requests • Training notifications

HR features: Leave management • Payroll • Training coordination

Founding Member , ISIMG Competitive Programming Club	January 2022 – Present
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- Co-founded university competitive programming club with 50+ active members
- Organized coding competitions and workshops to enhance members' technical skills
- Developed soft skills: teamwork, stress management, and public speaking
- Led problem-solving sessions focusing on algorithms and data structures

Projects

Web Development Projects

Project and human resource management system for IT startups

- Built an HR and project management web app is designed for IT startups, offering role-based access for HR, managers, and developers to streamline workflows. Managers can assign tasks, track progress, and view analytics, while developers access task boards, submit leave requests, and receive training updates. HR handles payroll, leave approvals, and training coordination, ensuring smooth operations—all secured with a robust authentication system and password recovery.
- Tools Used: React, Material UI, Node.js, Express.JS, Prisma ORM, PostgreSQL ,Postman, Git, Github, VS Code, Docker

Full-Stack Retail Management System 🔗

- Developed a full-featured online store with **admin dashboard** (product/order management, sales analytics) and **customer storefront** (browsing, cart, Stripe payments). Designed **role-based access** (admin/customer), **order tracking** with email notifications, and **filterable product catalog**. Integrated **Stripe payment processing** with automated status updates for seamless UX.
- Tools Used: ASP.NET MVC, Razor Pages, Microsoft SQL Server, Stripe, Entity Framework, Rider IDE

Full-Stack Hotel Management System 🔗

- Developed an hotel management platform where administrators manage agents accounts, agents members handle adding hotels and setting up rooms/prices, while guests can browse and book available rooms - all with secure login permissions tailored to each user type. The system organizes hotel operations efficiently and is built to easily add more features in the future.
- Tools Used: Jakarta EE, Java, JDBC, JSP, PostgreSQL, IntelliJ IDEA

Mobile Development Projects

Flutter Design Playground

- Designed and cloned multiple app UIs using Flutter, exploring:
 - Login UI
 - Fitness app ui
 - Coffee shop ui

Chat Application 🔗

- Created a mobile chat application that supports user registration, user login, group chats, message notification.
- Tools Used: Flutter, Firebase

Desktop Application Projects

Drug Store management System 🔗

- Developed a desktop app for drug store management with two role based admin, pharmacy agent
- Tools Used: Java, JDBC, Swing, MySQL, Eclipse

DevOps Projects

DevOps QR Code Generator 🔗

(In Progress)

- **System Components:**
 - Frontend: Next.js container (Dockerized)
 - Backend: FastAPI QR generator (Dockerized)
 - Storage: Azure Blob for QR persistence
- **CI/CD Implementation:**
 - Dual Jenkins Pipelines:
 - * Image Pipeline: Build/push Docker images to DockerHub
 - * Deployment Pipeline: AKS rollout on code changes
 - IaC: Terraform-provisioned AKS cluster
- **Current Phase:** Jenkinsfile development for:
 - Multi-stage container builds

AI Projects

Cardiovascular Disease Prediction model

- Developed a comparative machine learning system predicting heart disease risk using:
 - Multiple supervised algorithms (Logistic Regression, Random Forest, SVM, etc.)
 - Comprehensive performance metrics (Accuracy, Precision, Recall, F1-Score)
 - Feature importance analysis for clinical interpretability

Technologies

Languages: Java, C#, SQL, JavaScript, Dart

Technologies: .NET, React.Js, Express.JS, Flutter, Firebase, Azure, Git, GitHub, Docker.

Languages

Arabic (Native proficiency) • English (Professional working proficiency) • French (Intermediate proficiency) • Italian (Basic knowledge)

Competitive Programming & Tech Events

IEEEExtreme 18.0

November 2024

- Global 24-hour Programming Competition
- Ranked in top 12% nationally (110th out of 872 in Tunisia)

Brain boost 1.0

December 2024

- Annual Programming Contest
- Secured 1st Place

HelloWorld 4.0

March 2024

- Problem Solving Competition
- Achieved Top 25% ranking (12th out of 47 participants)

EnigDev Challenge

December 2023

- Annual Programming Contest
- Secured **2nd Place** overall

IEEEExtreme 17.0

November 2023

- Global 24-hour Programming Competition
- Ranked in top 33% nationally (200th out of 600 in Tunisia)

Certifications

• Flutter & Dart - The Complete Guide [2025 Edition]

February 19, 2025

- Udemy
- Verification Link

• Python 101 for Data Science

September 28, 2024

- IBM Developer Skills Network
- Verification Link

• Responsive Web Design

September 15, 2023

- FreeCodeCamp
- Verification Link