

# Anes Abd Almalek

Constantine, Algeria

+213794972232

anes.abdelmalek@univ-constantine2.dz

github.com/GIt-BITu

## SUMMARY

Self-taught software engineer with hands-on experience in full-stack development, automation, and AI. Delivered real-world solutions using Spring Boot, React, FastAPI, and Arduino. Passionate about solving practical problems, mentoring future tech leaders, and supporting developer communities through teaching and hackathon leadership. Strong focus on scalable backend systems and intelligent automation.

## LANGUAGES -SPOKEN AND WRITTEN-

**Arabic:** Fluent, **English:** Fluent, **French:** Intermediate

## TECHNICAL SKILLS

### Languages:

Python, Java, Kotlin, JavaScript, C++, HTML/CSS, SQL, Bash

### Frameworks/Tools:

Spring Boot, React, Django, Ktor, FastAPI, JavaFX, Selenium, Jetpack Compose, PostgreSQL, MySQL, Docker, Git, Linux, Hugging Face, Hibernate, JPA, Figma, L<sup>A</sup>T<sub>E</sub>X, Vim, JUnit, PyUnit, GitHub, Microsoft Project, Microsoft 365 Suite

### Concepts:

REST APIs, OOP, Concurrency programming, Data Structures & Algorithms, Networking, UML, Agile method, PEP8, Code Maintainability, Functional Programming

## SELECTED PROJECTS

### Greenhouse IoT Monitoring System

*Developed an IoT platform using Spring Boot, React, Hibernate, PostgreSQL, and Arduino to monitor temperature, humidity, and light. Enabled real-time data tracking for greenhouse environments.*

### Online Voting Platform

*Full-stack web app built with Django and PostgreSQL for secure user login, candidate management, and vote recording with robust access control.*

### General purpose Image Classifier with Hugging Face

*Used ResNet-50 to classify general images and deployed it with FastAPI to provide fast, scalable image classification and packaged the model inference into a JavaFX GUI, enabling offline desktop predictions.*

### Python Automation Tool

*Automated downloading and organizing of 116 files from structured web archives using Selenium. Resolved race conditions and validated file completion integrity.*

### Data Visualization Suite

*Analyzed datasets (U.S. baby names, movie ratings) using pandas, matplotlib, and Jupyter to build interactive and insightful data visualizations.*

## EXPERIENCE

### Android Developer Intern

*Maduo Studio*

Jan 2024 – Aug 2024

Dubai, UAE

- Designed Android UI/UX with Kotlin and Jetpack Compose for a fitness app.
- Built a juice customization feature enabling users to select ingredients prepared by the gym's restaurant.

### Robotics Teacher & Coach

*AljazarieROBOTICS*

Jun 2024 – Present

Constantine, Algeria

- Delivered Python and robotics training to youth participants
- organized and mentored teams for Codeavour Algeria
- supported AI/programming initiatives with the Ministry of Youth and Sport for their staff.

### Developer Member

*Google Developers Group*

Jan 2024 – Present

Constantine, Algeria

- Developed and reviewed web authentication features; contributed to local developer training events.

## LEADERSHIP & ACTIVITIES

### Hackathon Mentor

*DevFest Constantine*

Nov 2023

Constantine, Algeria

- Mentored 7–9 teams (28–35 participants) in fintech app design during the DevFest Hackathon.
- Handled technical setup and event logistics. Despite last-minute sponsor withdrawal, ensured successful closing with gifts and certificates.

### Contributor

*Mozilla Campus Club*

Feb 2023 – Sep 2023

Constantine, Algeria

- Worked on Android, AI/ML, and cybersecurity initiatives. Supported content creation and team collaboration.

## EDUCATION

### Bachelor's in Software Engineering

*University of Constantine 2*

Jun 2025

Constantine, Algeria

## ACHIEVEMENTS

Coached winning team to 2nd Place track 02 – Codeavour Qatar (Junior Division), 2025

Hackathon Mentor – DevFest Constantine, 2025

Taught 40+ students and mentored 100+ across national robotics and AI workshops