

AKILL TALAL MAHYOUB ABDO

SOFTWARE ENGINEER | FULL-STACK DEVELOPER

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Portfolio: eng-akil-alsufi.github.io/akill-portfolio/

SUMMARY

Software Engineer with a degree from Taiz University, specializing in scalable web applications (.NET 8.0, ASP.NET), Windows desktop applications (Guna.UI2.WinForms), and cross-platform mobile development (Flutter). Expert in Artificial Intelligence, specifically Computer Vision and Machine Learning, with hands-on experience in training models using YOLOv8 and Tesseract OCR. Proficient in network management, including designing and implementing Mikrotik Hotspot pages.

EXPERIENCE

Software Engineer (Freelance)

2023 – Present

- Developed professional desktop applications using .NET 8.0 and Guna.UI2.WinForms.
- Built scalable web applications using ASP.NET Core, Node.js, and PHP/MySQL.
- Designed custom Mikrotik Hotspot pages for network management solutions.

Software Development Intern

Taiz, Yemen

- Developed Medical Supplies and Inventory Management System using .NET Framework and MySQL.
- Implemented stock tracking, supplier management, and automated reporting with multi-language support.
- Collaborated in team environment for seamless system integration and performance optimization.

KEY PROJECTS

Smart Traffic Violations and Vehicle Impoundment Management System:
An integrated system for managing traffic violations and vehicle impoundments, connecting traffic authorities, field officers, and citizens through interconnected applications. It enables on-site violation recording using image processing, centralized management, and easy violation inquiries.

Inventory Management System:
A comprehensive inventory management system featuring secure login with authentication and verification, integrated with voucher and invoicing modules to efficiently manage and track warehouse operations.

FeelScan:
AI-powered web application for Arabic/English sentiment analysis and facial emotion detection using Flask, BERT, and FER.

IMAGE_LAB:
Advanced system for digital image processing and manipulation detection using DCT algorithms and feature analysis.

Smart Parking System:
Real-time slot tracking and automated booking system built with Flask.

EDUCATION

Bachelor of Software Engineering

Expected 2025

Taiz University

Coursework: Software Architecture, Database Systems, Artificial Intelligence, Web Development.

TECHNICAL SKILLS

Web & Mobile:
ASP.NET Core, .NET 8.0, Node.js, Flutter, HTML5, CSS3, JavaScript, Bootstrap, React, PHP

Desktop:
.NET 8.0, Guna.UI2.WinForms, Java Swing

AI & Vision:
YOLOv8, Tesseract OCR, OpenCV, Scikit-learn, NumPy, SciPy, Pillow, Scikit-image

Languages:
C#, Java, Python, JavaScript, Dart, Prolog, Ruby

Database & Tools:
SQL Server, MySQL, Entity Framework, Git, Visual Studio

Network & Hotspot:
Mikrotik Hotspot Design, Cisco Packet Tracer

ADDITIONAL INFORMATION

Languages: Arabic (Native), English