# BASHAR MOHAMMED ALI NASSER AL-MUNTASER

## Artificial Intelligence Developer | Computer Vision Specialist | ML Enthusiast

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## 🪪 PROFILE

Highly motivated and technically proficient Artificial Intelligence Developer with strong foundations in machine learning, computer vision, and intelligent system design. Experienced in developing end-to-end AI solutions using industry-standard libraries such as TensorFlow, PyTorch, Keras, Scikit-learn, and OpenCV. Adept at creating real-time applications for education, healthcare, fitness, and safety, and delivering impactful, user-centric projects with measurable results. Proven ability to integrate AI models into cross-platform applications using Flutter and deploy solutions that combine academic insight with practical innovation. Passionate about solving real-world problems through data-driven insights, automation, and creative design.

## 🎓 EDUCATION

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|---|---|
| 2022 – 2026<br>Sana'a, Yemen | **Bachelor of Science in Artificial Intelligence**<br>Emirates International University, Sana'a, Yemen |
| 2008 – 2020 | **Secondary School**<br>Alnasser Bani Asaad |

## 🧠 TECHNICAL SKILLS

**Programming Languages**
Python
Java
C++
JavaScript

**Mobile Development**
Flutter (AI-integrated mobile apps)

**Soft Skills**
Analytical thinking
time management
adaptability
teamwork
presentation/report writing
leadership under pressure

**AI & Machine Learning**
TensorFlow
PyTorch
Scikit-learn
Keras
NumPy
SciPy

**Web Technologies**
HTML
CSS
PHP
Bootstrap

**Computer Vision**
OpenCV
MediaPipe
Image Processing
Pose Estimation

**Other Tools**
Git
Google Colab
Jupyter
VS Code
PyCharm

## 🌐 LANGUAGES

**Arabic**
Native

**English**
Advanced

## 🗝 AREAS OF INTEREST

- Computer Vision
- Healthcare AI Solutions
- AI for Education
- Human-Computer Interaction
- Edge AI & Real-Time Systems
- ML Model Optimization & Deployment

## 📁 PROJECT EXPERIENCE

**09/2024 – 10/2024**

**Student Performance Prediction System**
Designed and developed a machine learning model using Decision Tree Classifier to forecast students' academic performance.
Tuned hyperparameters to achieve 95% accuracy, enabling early intervention and personalized learning recommendations.
Tools: Python, Scikit-learn, Pandas, Matplotlib, Tkinter

**09/2024 – 11/2024**

**AI-Based E-Commerce Platform for Yemeni Coffee**
Created an online store highlighting premium Yemeni coffee, integrating product categories, admin/customer roles, and a visually appealing interface.
Focused on user experience and cultural branding to promote local heritage.
Stack: PHP, MySQL, Bootstrap, HTML/CSS, JavaScript

**06/2024 – 07/2024**

**Real-Time Driver Monitoring System**
Built a computer vision system to detect driver drowsiness using eye closure rate and head tilt patterns.
Integrated voice assistant commands and auditory alerts to ensure safety.
Technologies: OpenCV, MediaPipe, PyTTSX3, SpeechRecognition, Python

**01/2025 – Present**

**AI-Powered Exercise Tracker (Squat Counter)**
Developed a pose estimation-based fitness assistant that tracks user form and counts squat repetitions using joint angle detection.
Provided live feedback on posture and performance.
Stack: Python, OpenCV, MediaPipe

**Mobile Application for Medical Image Analysis**
Built a cross-platform Flutter app for loading and displaying medical images (X-rays, CT, MRI).
Laid the groundwork for future integration of diagnostic AI models.
Stack: Flutter, planned use of TensorFlow Lite (in progress)