

NAIF GHOUS

✉ naifghous@gmail.com ☎ 0557893533 🌐 linkedin.com/in/naif-ghous-ala749342

SUMMARY

Computer Science graduate with a strong ambition to develop and build meaningful projects. Motivated to learn, grow, and take on new challenges, with a willingness to continuously improve and contribute in a professional environment.

EDUCATION

BACHELOR IN COMPUTER SCIENCE, Faculty of Computer and Information Systems, Islamic University 2025

- Distinguished member of the APET group

Tuwaiq Academy - Drones Programming Bootcamp 2026

- Specialized hands-on training in PX4, Gazebo, ROS 2, MAVSDK, and autonomous drone programming.
- Developed real-time control systems, simulation workflows, and mission-planning algorithms
- Built a full autonomous drone project (Skyline Artifacts) as the final capstone.

Computer vision 2026

Sadia academy

- Developed 'Saudi Street Watch,' a computer vision project identifying public space violations.
- Constructed a detection system for recognizing unauthorized setups and improper placements.
- Managed dataset preparation, model training, and performance evaluation.
- Applied the solution to real-world scenarios for enhanced monitoring and compliance.

PROJECTS

Online Gas Cylinder Sales & Distribution System

Senior Project Islamic University of Madinah

- Designed and developed a full-stack web application for online management of gas cylinders using Python (Flask), HTML, CSS, and MySQL.
- Integrated secure user authentication and structured system workflows.
- Implemented interfaces for customers, store-owners, and admin for order management, inventory tracking, and system monitoring.
- Utilized Waterfall methodology throughout planning, design, implementation, and testing phases.
- Crafted comprehensive project documentation, including ERD, use cases, activity diagrams, and website hierarchy.
- Delivered a prototype showcasing secure payments, user registration, store browsing, cart functionality, and admin controls.

Skyline artifacts

Tuwaiq Academy - Drones Programming Bootcamp

- Developed an autonomous survey drone system using PX4 SITL and Gazebo for mapping ground artifacts.
- Built multiple flight modes including waypoint missions, mission-on-command, and orbit mode using MAVSDK (Python).
- Integrated ROS 2 for real-time camera streaming and processed video using OpenCV.
- Designed a custom Gazebo world to simulate realistic survey environments.
- Created modular Python scripts for flight control, telemetry, and mission handling

Saudi Street Watch

Sadia Academy - Computer Vision Track

- Developed an AI-based system to detect violations in public streets using computer vision.
- Trained a custom object detection model (YOLO/ Ultralytics) on a labeled dataset for real-world scenarios.
- Implemented detection of unauthorized objects (e.g., street obstructions, illegal setups) with confidence scoring.
- Evaluated model performance using precision, recall, and F1-score to optimize detection accuracy.
- Built a pipeline for image inference and real-time analysis using Python and OpenCV.
- Integrated dataset management and training workflows using Roboflow.

CERTIFICATION

Python for Beginners

Programming & Software Development

Python 101

Programming & Software Development

Python 102

Programming & Software Development

Python 103

Programming & Software Development

Python 104

Programming & Software Development

Git Essentials

Programming & Software Development

SQL 101

Programming & Software Development

SQL 102

Programming & Software Development

SQL 103

Programming & Software Development

UI/UX Design Certificate

Design & Creative Tools

Flutter Development Certificate

Design & Creative Tools

English Language Certificate

Wall Street Institute

English Language Certificate

Shafi Institute

Introduction to Data Analysis

Artificial Intelligence & Data

Numpy

Artificial Intelligence & Data

Pandas

Artificial Intelligence & Data

Matplotlib

Artificial Intelligence & Data

Seaborn

Artificial Intelligence & Data

Machine Learning Fundamentals

Artificial Intelligence & Data

The Future of Cyber Security and Digital

Crimes *Cybersecurity & Technology*

Zero-Trust Cyber Security

Atta Digital

Metaverse World: Law and Logic

Atta Digital

ACHIEVEMENTS

- Delivered 12 hours of programming training for children at Orphans Care Charitable Foundation
- Leader of the cybersecurity department during CO-OP training
- Designed the official posters for the Aman Program Exhibition (Cybersecurity Awareness) at King Salman International Convention Center
- Interviewed by APET group
- Creator & Editor of GRC in the cybersecurity department at the Islamic University
- Golden medal for research on the impact of the Saudi economy on the world (NEOM)
- Achieved 1st place among private schools and 8th place in the district in the Arab Reading Challenge
- Member of the Chemistry Arabic Group
- Programming Minecraft Adventurer
- *Microsoft*

SKILLS

- Logical reasoning and critical thinking.
- Scratch developer
- Java
- C language
- Flutter
- Ability to break down complex problems and design effective solutions.
- Adaptability
- Self-Teaching
- Mobile App Development
- Python
- SQL
- Swift (basics)
- HTML
- Debugging and troubleshooting.
- Public Speaking and Presentation
- Social Media Management

LANGUAGES

Arabic
mother tongue

English
Fluent

Frensh
A2