# NADA ALBZOUR

nada.mohammed.b6@gmail.com
0569465609
Palestine, Jenin
linkedin.com/in/nada-albzour-67a704325
github.com/NaDa042
nada042.github.io/My-Portfolio/

## SUMMARY

Computer Engineering student and Front-End Developer with a strong programming foundation in C++, Java, and Python, and hands-on experience building responsive web interfaces using HTML and CSS and JavaScript. Proven ability to lead and deliver impactful projects, including ranking 17th globally in the World Robot Olympiad (WRO) as a Team Leader and Lead Programmer. Experienced in developing front-end projects such as portfolio websites and shopping websites, with a consistent record of academic excellence.

## EDUCATION & CERTIFICATIONS

**Arab American University** Oct 2024 – Present
Bachelor in Computer Systems Engineering • GPA: 3.91
Palestine, Jenin

**Udacity** Feb 2026 – May 2026
Intro to Front-End Web Development Nanodegree
Remote

## WORK EXPERIENCE

**World Robot Olympiad (WRO) – Autonomous Robotics Vehicle** - Team Leader & Lead Programmer / Dortmund,Germany June 2022 – Nov 2022

- Led a 3-member team to design and develop an autonomous robotic vehicle using Arduino (C++) and Raspberry Pi (Python), achieving 17th place globally.
- Engineered a real-time control system integrating ultrasonic and gyroscope sensors for precise navigation and obstacle avoidance.
- Implemented computer vision with OpenCV to detect and classify objects (red/green pillars), enabling dynamic path decision-making during live operations.

**Problem-Solving & Competitive Programming – Participant** - Self-Directed / College Competitions / Palestine –

- Achieved 9th and 10th place in IC contests (2021 & 2022) by solving algorithmic challenges under time constraints.
- Placed 7th locally in PCPC 2025 (Palestine ICPC competition).
- Applied algorithm design, logical thinking, and teamwork to solve complex programming problems.

## PROJECTS

**EVA Autonomous Vehicle — Robotics & Computer Vision Project** 2022
*Python , C++*

- Engineered an autonomous robotic system using Arduino (C++) and Raspberry Pi (Python).
- Implemented real-time image processing using OpenCV for object detection and classification.
- Designed control systems using ultrasonic and gyroscope sensors for navigation and stability.
- Built serial communication between controllers for coordinated system behavior.

**Personal Portfolio Website — Front-End Development**

*HTML , CSS*

- Built a responsive portfolio website using HTML & CSS, showcasing projects and technical skills.
- Applied Flexbox and CSS Grid to create structured, user-friendly layouts.
- Managed version control using Git and GitHub.

**Bakery website** April 2026

*HTML, CSS, Vanilla JavaScript*

- Developed an interactive bakery shopping application using Vanilla JavaScript, implementing dynamic cart management, quantity updates, and checkout functionality.
- Designed and implemented responsive, visually appealing user interfaces with HTML, CSS, Flexbox, and CSS Grid, achieving consistent cross-device layouts and a seamless user experience.
- Implemented interactive front-end features such as checkout calculations, form handling, and real-time DOM updates to create a smooth and engaging user experience.

## SKILLS

**Programming Languages:** C++, Python, Java, HTML, CSS , Vanilla JavaScript

**Frameworks & Libraries:** OpenCV, Object-Oriented Programming (OOP)

**Developer Tools:** Git, GitHub, Arduino IDE, Raspberry Pi

## ACHIEVEMENTS

- Dean’s List (Top 5%) — 3 consecutive semesters 2024–Present
- Ranked 1st in Faculty (Semester 2)
- World Robot Olympiad 2022: Led team to 17th place globally as Team Leader & Lead Programmer.
- PCPC 2025 (Local ICPC Competition): Placed 7th locally representing college.
- IC Contests 2021 & 2022: Achieved 9th and 10th place in algorithmic problem-solving competitions.