

Yazan Ibrahim Al-Sedih

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Skills

- Java | JavaScript | C++ | C | MySQL | NodeJS | Express | MongoDB | jQuery | Git | Python | Oracle | Assembly | MIPS | Verilog | VHDL | PHP | HTML | CSS | Bootstrap |
- Cucumber | Unit Testing | OpenCV | NumPy | Yolo
- Arabic (native), English (b1)

Experience

Python and Computer Vision Course, Gaza Sky Geeks (GSG): [Certification](#)

- Introduction to biological and human vision, computer vision basics, and image formation principles.
- Fundamentals of image processing, including filtering, thresholding, feature extraction, and matching.
- Exploration of advanced methods like multiview geometry, morphological operations, detection, and segmentation.
- Discussion on tracking, current applications, trends in computer vision, and practical project implementation.

Education

College of Engineering and IT

Najah National University

Nablus, Palestine

09/2020 - Present

- Major in Computer Engineering

Relevant coursework:

- Data Structures, Algorithms, OOP, Software Engineering, Problem Solving, Web Development.

Projects

CommuniCraft Platform:

- Developed a backend project using MySQL, Nodejs, Express, and Axios for external APIs.
- Implemented user authentication and notifications.
- GitHub Repository: [CommuniCraft](#)

Natours:

- Developed a project using HTML, CSS, MongoDB, Nodejs, Express, and Axios for external APIs.
- GitHub Repository: [Natours](#)

Optimizing Delivery Truck Routes Using Simulated Annealing:

- Developed a simulated annealing algorithm to optimize delivery truck routes, focusing on minimizing total travel distance.
- Addressed the Vehicle Routing Problem (VRP) by determining optimal routes while adhering to truck capacity constraints.
- GitHub Repository: [Optimizing Delivery Truck Routes](#)

Student Performance Predictor:

- Created a binary classification system using a perceptron model to predict pass or fail outcomes based on student scores in Math, Science, and English.
- Developed a graphical user interface (GUI) for dynamic data entry, prepared a dataset of student scores and pass/fail statuses, and trained the perceptron model using the training set.
- GitHub Repository: [Student Performance Predictor](#)

Others

- **Leetcode:** I've solved lots of problems on Leetcode, here is my profile on Leetcode: [yazansedih](#)
- **Problem-Solving Contests:** I've participated in many contests such as IEEE, GDSC, IVR (college clubs).
- **Portfolio:** This is a portfolio file that I created using HTML, CSS, JS, and Bootstrap: [Portfolio](#)