Nanovel LTD
Mevo Carmel Industrial Park
Hazait 5 St.

Job description: Image Processing & Computer Vision Engineer

[Job number: 603]

About Us

Nanovel is an innovative startup developing an Autonomous Robot to revolutionize agricultural tasks using AI-powered technologies. We are seeking a passionate Image Processing & Computer Vision Engineer to join our dynamic team.

Role Overview

You will join a team, designing and testing real-time vision algorithms for object detection and classification, to drive our autonomous robots.

Key Responsibilities

- **Algorithm Development:** Design and optimize real-time computer vision algorithms for object detection, fruit classification,
- **Model Deployment:** Train, fine-tune, and deploy Deep Learning models on resource-constrained edge devices.

Skills and Qualifications

- **Experience:** 3+ years of proven, hands-on experience in Computer Vision and Image Processing development.
- **Education:** B.Sc. in Computer Science, Software/Electrical Engineering, or related field.
- **Core Coding:** Proficiency in Python and C++; experience with Ubuntu/Linux and Git workflows.
- **Vision & AI:** Strong background in classical image processing (OpenCV) and Deep Learning frameworks (PyTorch/TensorFlow).
- **Methodologies:** Solid understanding of object detection, segmentation, and feature extraction.
- **Soft Skills:** Strong problem-solving mindset and excellent team collaboration skills.

Advantage Skills

- Experience deploying and optimizing algorithms on **NVIDIA embedded GPUs** (Jetson series) using CUDA or TensorRT.
- Familiarity with embedded systems and robotic platforms.
- Experience with **ROS2** (Robot Operating System 2).
- Prior experience in AgTech or dealing with outdoor/unstructured environment vision challenges.

Location: Onsite - Mevo Carmel Industrial Park, Ramot Menashe.