

NAZAR BABII (BLOCKCHAIN | AI/ML | FULL-STACK | EMBEDDED ENGINEER)

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EXPERIENCE

Alta Ares

Machine Learning Engineer

2/8 rue de la Fraternité, 93230 Romainville, France
May 2024-Present (Contract)

Conrads Consult & Engineering

Embedded Engineer

Rotenburg an der Fulda, Germany
February 2022 – Present (*Part-time since May 2024*)

Mind Company

Full-Stack and Blockchain developer

San Jose, California, US
March 2021-January 2022 (Contract)

Vertor Force

Full-Stack Developer

Rotenburg an der Fulda, Germany
April 2020 – February 2021(Contract)

PROJECTS

YOLOv8 Models Trained on VisDrone Dataset

Trained YOLOv8 models on the VisDrone dataset for object detection, with a focus on comparing the performance of these models against the original YOLOv8 models.

YOLOv8 Android App - TFLite

An Android application utilizing a TensorFlow Lite model based on YOLOv8 for real-time object detection on mobile devices.

SDR FPGA for GSM-R Tester

Developed FPGA code to enhance the functionality of the Ettus Research B200mini SDR for GSM-R (Global System for Mobile Communications - Railway) testing, including the addition of an adjustable RF front-end and custom control interfaces.

DJI-MSDK-V5-Android-StarterKit

A basic template for developers to start working with DJI's Mobile SDK V5 on Android, featuring integration with the DJI UX SDK and sample code for common functionalities.

Smart Battery Power Board

A board featuring a PIC18F45K50 microcontroller, RRC3570 smart battery, RS232 communication, LM35 temperature sensor, and PWM control for fan speed management, designed for power supply and thermal monitoring.

Crypto Bank App for Web, Android, and iOS

Developed a multi-platform crypto banking application for web, Android, and iOS, enabling users to securely store, send, and receive cryptocurrencies.

Simple NFT Marketplace for Training Purposes

Developed a straightforward NFT marketplace designed for educational purposes, featuring functionalities such as minting, buying, and selling NFTs.

Trading Signal App for Web, Mobile, and Desktop

Developed a system that provides users with real-time trading signals across web, mobile, and desktop platforms.

SKILLS

- YOLOv5, YOLOv7, YOLOv8, YOLOv9, YOLOv10
- PyTorch, TensorFlow, TensorFlow Lite, TFLite Conversion, CUDA, Nvidia
- React/Next, Vue, Angular, Node.js, Electron.js, Nest.js, Express.js, PHP
- MongoDB, PostgreSQL, MySQL
- Android Studio, Java, Kotlin, React-Native, Expo
- Solidity, Rust, Ethereum, Solana, Truffle, Hardhat, Web3.js, Ethers.js
- Embedded C, Xilinx ISE, STM Cube
- SDR Enhancements, Sensors, PWM Control
- Hardware Communication and Protocol

EDUCATION

Degree: Master

Major: Computer Science

University: Lviv Polytechnic National University