

Embedded Systems Engineer - IoT & AI

Company: TechInnovate Solutions & SmartTech Innovations

Location: Remote or Casablanca/Fez, Morocco

Description: We are seeking a skilled Embedded Systems Engineer with expertise in both IoT and AI technologies to join our team. This role involves working on cutting-edge projects that include vehicle detection systems, license plate recognition, real-time image processing, and IoT solutions. You will develop software for embedded systems using technologies such as OpenCV, YOLO, OCR, Raspberry Pi, and Arduino. The position also requires proficiency in communication protocols like CAN Bus and experience with real-time systems. Collaboration with a team on innovative technology solutions and product development will be a key part of this role.

Responsibilities:

- Develop and implement vehicle detection and recognition systems using OpenCV, YOLO, and OCR.
- Work on real-time image processing projects with Raspberry Pi and Arduino.
- Develop software for embedded systems and IoT applications.
- Utilize communication protocols such as CAN Bus, SPI, I2C, and UART.
- Collaborate with cross-functional teams to drive innovation and deliver solutions.

Requirements:

- Proficiency in Python, C/C++, and image processing libraries.
- Experience with Raspberry Pi, Arduino, and embedded systems.
- Knowledge of vehicle detection and recognition technologies.
- Experience with CAN Bus and real-time systems.
- Strong understanding of IoT systems and communication protocols.
- Ability to work independently and as part of a team.

Preferred Skills:

- Familiarity with Misra C, ISO26262, and Autosar standards.
- Experience in developing mobile applications or additional software tools.

Benefits:

- Competitive salary and benefits package.
- Flexible remote working options.
- Opportunity to work on cutting-edge technology and innovative projects.
- Collaborative and dynamic work environment.

If you have a passion for embedded systems, IoT, and AI, and want to work on exciting projects that push the boundaries of technology, apply now to join our team!