

Research & Development

Experienced

Lead Software Engineer

Vision Systems - Samvardhana Motherson Reflectec (SMR) - Noida, India

At Motherson, we're committed to creating long-term jobs and advancing global careers. Featured on TIME's World's Best Companies list, we are a diversified global design, engineering, manufacturing, assembly and logistics specialist, delivering full-system solutions to customers across industries. With a focus on innovation, quality and sustainability, we strive to be a trusted industrialisation partner and an employer that nurtures a diverse, inclusive workplace.

Our Vision Systems division enhances vehicle safety and visibility with high-quality mirrors and advanced camera systems, trusted by major automotive OEMs worldwide. Join us to collaborate with experts, work with cutting-edge technology, and help shape the future of safer, smarter mobility.

What you'll do

- Development of concepts and architectures for computer vision systems based on artificial intelligence or classical approaches within a given software architecture
- Design and implementation of AI-software (object detection, classification, segmentation, tracking, ...) considering operational development guidelines
- Software development in programming languages like Python (experienced) and C/C++ (basic level)
- Collaborate with the team to integrate AI solutions into embedded platforms, ensuring efficient deployment and execution
- Process and analyse datasets for the optimization and validation of AI models
- Create validation environment
- Manage and maintain labelling environment
- Advising project management on task planning and assessing technical risks (technical risk analysis)
- Monitoring and evaluation of technologies, concepts and tools for algorithms
- Identification and interacting with potential serial software suppliers
- Verification of externally supplied software packages
- Testing modules and the overall software
- Creating the necessary documentation

What we are looking for

- Proficiency in Python programming
- Familiar with C/C++ and Linux
- A foundational understanding of machine learning and AI principles
- Solid grounding in mathematics and linear algebra
- Very good English language skills (German language skill welcome but not mandatory)
- 2-3 years of experience in algorithm development
- Experience with video processing systems or ADAS

What we offer

- A competitive salary and range of benefits.
- Be part of a worldwide team with very big challenges ahead, which brings huge development opportunities for people with big career goals.
- If you enjoy working in a fast-paced environment, then look no further.
- We are an equal opportunity employer where inclusion matters; this is evidenced by us being a Disability confident Committed Employer.



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