Arkus AI

Two Master's Thesis Projects:
Apply Machine Learning and Computer Vision in Genetic Diagnostics

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Arkus AI is a fast growing AI (Artificial Intelligence) startup created in January 2020, as a result of an industry project co-founded by a Vinnova innovation grant for SME. Arkus AI is created with an ambition to innovate AI technologies in the field of genetic diagnostics and healthcare. Its vision is to deliver AI worldwide in the spirit of continuous innovation and earnest compassion.

We are on track to deliver the first AI powered automation tool in clinical genetics and we are delighted to offer the following two Master's thesis projects.

Projects:

I. Research and develop an innovative solution that combines both deep learning and computer vision technics to understand medical images from clinical genetics. For this project, the student must have an outstanding competency in computer vision, in addition to deep learning skills.

II. Innovate in deep learning technics in the search of a high performing classifier of processed medical images from clinical genetics. For this project, the student must be fluent with existing deep learning methods in the field.

Required competencies:
• Passionate for innovation, self motivated and can work independently
• Competent in machine learning in particular deep learning
• Highly fluent in Python programming language
• With some industrial experience in software programming
• For project I, competent in computer vision such as image processing and segmentation.
• Excellent in oral and written English

Students will be mentored and challenged by Arkus' exceptionally talented and compassionate engineers. Upon completion of the thesis, highly qualified students will be offered position to walk the startup journey with us.

Location:
Working remotely until Covid situation clears. Regular meet-ups at AI Sweden's Stockholm office or THINGS at KTH. No requirement to be physically in Stockholm

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