



Optimizing Automated Robotics Processes with AI for Smarter Services

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Abstract:

As AI continues to progress, one of the challenges we face is to involve robotics to be automated the tasks that are repetitive, dangerous, or vulnerable to human error . However, automation without intelligence creates a system that cannot respond to variables, new environments, or dynamic requirements. So AI provides a perfect platform to develop intelligent bots. By adding cognitive services to the bot, we can make our bot smart—with capabilities like language understanding, image recognition, text recognition, translation, and more. The idea is combining AI with robotics creates smarter autonomous systems. With machine learning, image recognition, cognitive services, and more robots can learn and respond to requirements, beyond simple commands. Intelligent robotics uses AI to increase collaboration between people and devices. So the great deal of our mission is to let AI enables the next generation of robots to adapt to dynamic situations and communicate naturally with people. Therefore, we have to keep on infusing advanced robotics with AI enables the next generation of robotics to be collaborative, assistive, and cognitive with societies and people.



Biography:

Muhammad has completed his bachelor at the age of 24 years from Umm Alqura University and postdoctoral studies from Technical University of Munich. He is the Supervisor of Robotics and AI Unit at Taif Educational Directorate, accredited jury, and membership at Arab Robotics and AI Association. He has published more than 6 papers in reputed journals.

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