Literature survey on

AI POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIASTS

Team Members

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Book/Journal	Author's Name	Inference
Artificial intelligence in gastrointestinal endo-scopy for inflammatory bowel disease	Gian Eugenio, Alessandro Rimondi, Marta Vernero, Helmet Neumann, Cristina Bezzio.	This article to Provide Info regarding the AI-assisted endoscopy that has been introduced into several research fields, including inflammatory bowel disease (IBD) endoscopy, with promising applications that have the potential to revolutionize clinical practice and gastrointestinal endoscopy.
An Artificial Intelligence Based System for Nutrient Intake Assessment of Hospitalized Patients	Ya Lu, Thomai Stathopoulou, Maria F. Vasiloglou, Stergios Christodoulidis, Beat Blum, Thomas Walser, Vinzenz Meier, Zeno Stanga, Stavroula G. Mougiakakou	This article is more beneficial for the hospitalized patients where the AI based model is accurately estimate nutrient intake, by simply processing RGB depth image pairs captured before and after a meal consumption
A New Deep Learningbased Food Recognition System for Dietary Assessment on An Edge Computing Service Infrastructure	Chang Liu, Yu Cao, Guanling Chen, Yunsheng Ma, Songqing Chen	The IOT based dietary assessment imposes several fundamental challenges on algorithm development and system design. They address this issue by developing a novel deep learningbased visual food recognition algorithms to achieve the best-inclass recognition accuracy

Artificial Intelligence in Nutrients Science Research: A Review , 2021 Jan 22.	Jaroslaw slak and Magdalen a suckhodolska	The aim of this article is to analyze the current use of AI in nutrients science research by using Artificial Neural Network which was dominant in the group of research on food composition study and production of nutrients.
Artificial Intelligence Applications In Nutrition And Dietetics	İzzet Ülker and Feride Ayyıldız	The main ideology of this paper is many researches faced difficulties of evaluating the food preferences and dietary intake that is, remembering the frequency or amount of intake in assessment of dietary intake. To overcome this the apps facilitate the work of researchers and provide more reliable results than traditional methods.