

To the Evaluation Committee of the Master's Degree program "Managing Digital Transformation in the Health Sector" (ManagiDiTH),

I am Vasileios Tsoukas, a graduate of the Department of Computer Engineering at the Faculty of Technological Applications, Technological Educational Institute of the Peloponnese. I possess a master's degree in Informatics and Computational Biomedicine, specializing in Computer and Telecommunication Systems Security, Big Data Management, and Simulation. This degree was obtained from the School of Sciences at the University of Thessaly. At present, I am pursuing a Ph.D. at the Department of Computer Sciences and Biomedical Informatics at the University of Thessaly. My research is centered around Tiny Machine Learning (TinyML), which was originally started as exploring Machine Learning and compression methods for FPGAs, also referred to as Edge AI. I have finished writing my dissertation and will be delivering a presentation on it in the upcoming weeks. Three years ago, I faced a severe health crisis that posed a significant risk to my life, and I sadly lost the individuals who had raised me. These incidents had an immense effect on me, causing me to shift my focus in research and studies towards health. Currently, I am committed to use my knowledge in the field of health, since it carries great personal significance for me.

The initial action I took to go on this new path was resigning from my position at the software firm and joining Dextera as a consultant and researcher. Dextera is now working on the development of the "Greek National Telemedicine Network (EDIT)," which is being funded by both Greece and the European Union through the Recovery and Resilience Fund - Greece 2.0. The objective of this initiative is to enhance traditional healthcare methods and ensure universal access to high-quality healthcare, with the goal of improving general health and well-being. It is imperative to establish telemedicine services in Greece, particularly in remote islands and rural mountainous areas, in order to meet the constitutional requirement of ensuring equitable healthcare access for all residents, irrespective of their geographical location. In addition, I supervised the development of the Business Intelligence System for EDIT, aiming to enhance the system and provide better services.

For my second step, I engaged in a conversation with the Intelligent Systems Laboratory (iSL) and its academics, of which I am a member, to redirect my postdoctoral study towards e-Health, instead of focusing on the security of limited hardware devices. I have received an offer to continue my work as a postdoctoral researcher and I have accepted it. The proposed new subjects are Interoperability and Health Data Analytics.

Finally, I was a member of an exceptional team that authored a Horizon proposal for DIGITAL-2024-CLOUD-AI-06-HEALTHRECORD. Participating in this process was a highly important milestone in my professional journey, since it enabled me to make a valuable contribution to healthcare, unlike past projects that mostly focused on automating or enhancing internal corporate procedures.

Considering my expertise and strong commitment to the healthcare industry, discovering the Master's Degree in Managing Digital Transformation in the Health Sector was exceptionally thrilling. I am particularly impressed by the courses "Regulation, Legislation and Structures in Health," "Ethics and Privacy in Health," and "Health Data Classifications and Exchange Formats." I find these subjects to be complex and difficult to fully comprehend without the assistance of an expert. I am enthusiastic about learning from top professionals in order to improve my skills and make a valuable contribution to the field of e-Health.

I am certain that this program will greatly assist me in making substantial contributions to the health industry. I really anticipate the chance to participate in this prestigious program.

Sincerely,

Vasileios Tsoukas