



He holds both a Bachelor's and a Master's degree in Mechanical Engineering from the Federal University of Pará (UFPA), Brazil. During his undergraduate studies, he conducted experimental analysis of natural fiber-reinforced composite materials. In his Master's research, he employed finite element methods to perform stress analysis on suspension trays for electric vehicles. He also served as a substitute lecturer at UFPA, teaching courses in Project Management, Total Quality Management, Production Management, and Occupational Safety. He is currently pursuing a Ph.D. in Mechanical Engineering at the Federal University of Santa Catarina (UFSC), focusing on the application of artificial intelligence and digital twin models for fault diagnosis in wind turbines. Additionally, he serves as a Research Fellow (Scholarship Level IV) at the SENAI Institute of Innovation in Embedded Systems, where he focuses on mechanical design modeling.

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