

CYRIL MALAYIL TOM THARIYAN

Mechanical Engineer

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Dear Hiring Manager,

I am writing to express my strong interest in the Mechanical Engineer position. With a Master's in Mechanical Engineering from the University of Central Florida and over six years of experience in robotics, mechatronics, and precision manufacturing, I am eager to contribute my technical expertise to your team in Dubai.

My professional journey bridges international standards and high-stakes project delivery. My experience includes mechatronics design for Expo 2020 projects at Fractal Systems in Dubai and precision product development at Malema, where I engineered GD&T-compliant designs and validated industrial sensor systems. Currently, at RTM Engineering Consultants, I manage complex, multidisciplinary projects, ranging from high-rise construction to advanced piping systems, where I apply rigorous analytical design and system coordination.

My background is rooted in translating complex engineering concepts into functional hardware. As a Graduate Research Assistant at the University of Central Florida's WEAR Lab, I designed mechanical components for the Variable Resistance Suit (VARS) exoskeleton and utilized CoppeliaSim for real-time kinematic analysis. This experience, combined with my proficiency in SolidWorks, ANSYS, and MATLAB, allows me to hit the ground running in fast-paced environments focused on prototyping, automation, and advanced manufacturing.

I am particularly drawn to your organization's commitment to innovation. I am confident that my blend of US-based academic training and direct experience within the UAE's industrial sector makes me a strong fit for your team. I would welcome the opportunity to discuss how my background aligns with your company's mission and the specific technical challenges of this role.

Thank you for your time and consideration.

Sincerely,

Cyril Malayil Tom Thariyan

Mechanical Engineer

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