

Dear Hiring Manager,

I hope you're doing well. I am excited to apply for the Robotics Software Engineer position at Nimble. This opportunity resonates deeply with me, not only because of my passion for robotics and intelligent automation but also because of the inspiring work your team is doing in transforming autonomous logistics. I was referred to this role by Aditya Manchanda, who spoke highly of Nimble's innovative approach and collaborative culture, and I am eager to contribute to this groundbreaking effort.

Currently, I am pursuing my Master's in Mechatronics, Robotics, and Automation Engineering at New York University, where I have been immersed in robotic perception, reinforcement learning, and control optimization. My work designing trajectory optimization algorithms for a 7-DOF hexapod robot has been both challenging and rewarding, strengthening my expertise in motion planning, kinematics, and real-time system development. Additionally, working with ROS Humble, MuJoCo, and middleware communication protocols has given me hands-on experience in developing scalable and robust robotic software.

Before NYU, I worked as a Software Engineer at Bosch Global Software Technologies, where I honed my ability to design system architectures, debug complex software, and optimize automation processes. The experience of leading software automation projects and enhancing system efficiency has reinforced my problem-solving skills and adaptability, both of which I believe are crucial for working on real-world robotics solutions at Nimble.

What excites me most about Nimble is its mission to push the boundaries of what's possible with general-purpose mobile manipulator robots. The recent Series C funding and partnership with FedEx show how impactful the company's vision is, and I would love to be part of that journey. The prospect of collaborating with brilliant minds to develop fault-tolerant, real-time robotic systems is something I find incredibly motivating.

Although I am set to graduate in May 2025, I am prepared to join Nimble immediately and am eager to relocate to San Francisco. I am also highly motivated to dedicate extra time, including weekends, to advancing these groundbreaking projects.

Thank you for considering my application. I would welcome the opportunity to discuss how my background and skills align with Nimble's vision.

Best regards,

Shantanu Nitin Ghodgaonkar

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