

Dear Hiring Team,

I am thrilled to apply for the Industrus Engineering Graduate Program as a student in my final year of Mechatronics Engineering. I have a strong academic background and a genuine passion for innovative engineering solutions. I not only possess technical skills but also have a proven track record of working effectively in teams and discovering creative solutions to problems. My dedication to hands-on learning also aligns seamlessly with Industrus's rotational project roles, ensuring I can adapt and excel across diverse assignments. This letter outlines my enthusiasm for the position and how I plan to contribute to Industrus's legacy of groundbreaking engineering ventures.

A commitment to ethical conduct and the highest standards of professional accountability.

At my internship, I was tasked with creating an online quiz competition for university students but encountered an unexpected challenge. After spending several hours developing the quiz, I realised some questions had the potential to be answered with AI tools as it was online, which raised concern about the fairness of the competition. Due to the recent developments in AI tools this was not an issue in the past, when the company hosted quiz contests but this was no longer the case. After recognising this, I decided to dedicate additional hours beyond my regular work schedule to rectify the situation by creating new questions which would be resistant to using AI tools. The end result was a revised quiz that met a high standard of professional accountability and demonstrated my unwavering commitment to ethical conduct in the face of unforeseen challenges.

Demonstrated ability to effectively communicate both with other engineers and stakeholders from different fields.

In response to the inefficiencies in our live training sessions for clients, the company decided to transition to e-learning videos, to save us time spent on the training process. Entrusted with the responsibility of creating these educational resources, I undertook extensive collaboration with the software engineering team to ensure I have a thorough understanding of the software we would be training users on. Additionally I received feedback from the clients to ensure that the content was presented in a manner accessible to both novice and experienced users. Hence, through frequent communication with the engineering teams and client I was able to streamline the training process by facilitating a seamless alignment of the video content with the training objectives.

The ability to engage with a creative, innovative and proactive environment.

After expressing a keen interest in Research & Development at my internship, I was presented with an opportunity to delve into the domain of traffic management. The objective was to identify existing drawbacks within traffic systems in Australia. I decided to leverage my background in

mechatronics to propose a solution, utilising computer vision cameras at intersections to monitor and navigate incoming traffic. Additionally, I had presented my findings and the proposal to my manager, who appreciated the innovation as this was a much more advanced and intelligent alternative to traditional systems. This endeavor also resulted in us initiating discussions with a potential technology partner, for testing my proposal of computer vision with traffic management systems.

Demonstrated ability to use and manage information.

During my internship, I was entrusted with the task of researching Hydrogen fuel cell technology for potential business ventures. However, due to a considerable knowledge gap in this domain, I embarked on an extensive research journey to familiarise myself with this field and its existing applications. After understanding the technical details, evaluating market trends and identifying potential use cases, I had eventually acquired an in-depth understanding of Hydrogen fuel cell technology. With this newfound expertise, I was given the platform to present my research to the company and provide insight to those unfamiliar with the topic and its untapped opportunities. Hence, this demonstrated my proficiency in information management and delving into complex topics.

The ability to manage your own performance in a professional environment.

At my internship, one of my roles involved overseeing the logistics in Sydney, by handling timely hardware deliveries to clients globally. I faced a critical moment when a product that needed a swift dispatch to the client was delayed. The cause for this was a miscommunication over email, as the overseas team I contacted were not fluent in English and I made an assumption on the instructions given. Fortunately, we reacted immediately and we were able to resolve the issue. However, following this incident, I had suggested the use of frequent video calls as opposed to emails which resulted in enhancing our team cohesion and eliminated any uncertainties. Hence, this experience taught me the importance of proactive performance management to overcome a challenge.

Demonstrated the ability to work as part of a team and to show leadership.

Conducting site visits was a common occurrence at my company, as we would collect data on utility poles and distribution lines for the design team. After attending a few sites with my team, I realised the data collected was simple in most cases, as they consisted of pole measurements and site photos that were not accessible online. This led me to raise a concern and suggest an alternative method that would save the team from having to travel long distances just to collect basic site data. I was assigned the responsibility of actioning this plan by formulating a solution, to which I found a company that engaged in drone lidar surveying. Eventually, I led discussions with them and introduced their services to my team, which resulted in us saving time on future projects as we were able to obtain site data remotely and expand our geographical reach on

projects. This initiative showcased my ability to contribute to a team and assume a leadership role if the circumstances demand it.

Thank you for reviewing my application. I am excited about the prospect of discussing how my technical skills and passion for engineering can complement the goals of Industrus Engineering.

E-mail: nnaiker1@gmail.com

Mobile Number: 0478239104

Best Regards,

Nickhil Naiker