



**V J T I**

**Veermata Jijabai Technological Institute**

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### **LETTER OF RECOMMENDATION**

I am pleased to write this letter of reference for Om Doiphode, a dedicated and exceptional student in the Computer Engineering department at VJTI. I have had the privilege of teaching him two courses: Database Management Systems (DBMS) during his fourth semester and currently, the course on Artificial Intelligence (AI).

In my capacity as his professor, I have had the opportunity to assess his academic capabilities and his attributes. I am confident that he would be an outstanding candidate for the research internship, given his impressive academic and extracurricular achievements.

In terms of academic performance, he has consistently demonstrated his commitment to excellence. He has consistently ranked among the top students in his class over the past two years, a testament to his strong fundamentals and clear understanding of complex concepts. His assignments consistently showcase in-depth research and innovative thinking.

Moreover, he is not solely focused on academics; he is an active participant in extracurricular activities. As a member of the Society of Robotics and Automation at VJTI, he has both attended and conducted workshops, sharing his knowledge with over 200 students. His passion for coding and technical prowess is evident through his participation and victories in various coding competitions. His ability to embrace challenges with an optimistic outlook and his willingness to assist his peers make him a well-respected member of his class.

During his second year of engineering studies, he undertook several noteworthy projects that left a lasting impression on me. These projects not only showcased his technical prowess but also his ability to work effectively as part of a team. Allow me to elaborate on these standout projects:

1. **Image Super-Resolution Using SRGAN:** He excelled in developing a Super-Resolution Generative Adversarial Network (SRGAN). Proficient in deep learning and computer vision, he utilized PyTorch to upscale low-res images to high quality, showcasing his prowess in AI.
2. **Document Q&A Bot with Open Source LLMs:** He demonstrated adaptability and innovation by creating a Document Question-Answering Bot. Leveraging open-source language models like Llama, he designed an intuitive interface for querying documents, reflecting his cutting-edge AI and NLP skills.

In conclusion, I wholeheartedly recommend Om Doiphode for the research internship. His strong technical skills, academic excellence, and active involvement in extracurricular activities

make him an ideal candidate. I believe he possesses the potential to excel in any research endeavor he undertakes. I do not doubt that he would be a valuable addition to your institution's research team.

Please feel free to contact me if you have any further questions or require additional information regarding Om Doiphode's qualifications.



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# VJTI

## Veermata Jijabai Technological Institute

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### LETTER OF RECOMMENDATION

I am pleased to draft this letter of recommendation for Om Doiphode, an outstanding and devoted student enrolled in the Computer Engineering program at VJTI. I had the privilege of serving as his instructor during the Database Management Systems (DBMS) course in his fourth semester, and I also had the opportunity to supervise his work in the DBMS lab.

In my capacity as his professor, I have had the pleasure of thoroughly evaluating both his academic aptitude and personal attributes. It is with great confidence that I recommend Om as an ideal candidate for a research internship. His remarkable academic achievements and exceptional extracurricular endeavors underscore his suitability for such an opportunity. Regarding his academic performance, he has consistently showcased an unwavering dedication to excellence. Over the past two years, he has consistently secured a place among the highest-achieving students in his class. This serves as compelling evidence of his solid grasp of fundamental principles and his adeptness in comprehending intricate concepts.

Beyond academics, Om actively engages in extracurricular activities. Notably, he was selected for the prestigious Amazon ML Summer School 2023, which is a testament to his exceptional abilities and potential in the field of machine learning. Furthermore, Om serves as the open-source head in the Community of Coder (COC), where he plays a pivotal role in guiding juniors involved in open-source projects under the program Project X. His dedication to mentoring and nurturing the next generation of coders is truly commendable, and it showcases his leadership qualities and commitment to knowledge sharing.

In his sophomore year of engineering studies, he engaged in a variety of remarkable projects that truly stood out. These undertakings not only underscored his technical acumen but also showcased his adeptness in working seamlessly within a team. Let me delve into the specifics of these exceptional projects:

**Image Pipeline:** In this project, he implemented various algorithms to process RAW images from sensors and convert them into meaningful images. His proficiency in C++, Python, and computer vision was instrumental in successfully completing this project, highlighting his strong technical skills and problem-solving abilities.

**VJTI Centenary Hackathon Winner - Hostel Management Portal:** He played a key role in developing a Hostel Management Portal, which included features such as automated room allocation for students, an attendance system, a complaint redressal system, and a merit list for allocation. What's particularly impressive is his use of MongoDB, which ensured efficient data management and retrieval in this project.

His contribution to this hackathon victory underscored his ability to apply database technologies effectively in real-world applications. To sum up, I enthusiastically endorse Om Doiphode for the research internship. His robust technical proficiency, outstanding academic achievements, and dedicated participation in extracurricular pursuits render him an exceptional candidate. I am confident that he possesses the potential to thrive in any research undertaking he embraces, and I have no reservations in stating that he would be a valuable asset to your institution's research team.

Please feel free to contact me if you have any further questions or require additional information regarding Om Doiphode's qualifications.



Regards,

**Dr. Shraddha S. Suratkar**

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