

# Nikhil Raina

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309 A Perkins Road  
Rochester, NY, 14623

Dear hiring Committee,

I am writing this letter to apply to JPMorgan Chase and Co under the position of a Java Application Software Engineer upon the completion of my undergraduate degree this Spring of 2021. I found the Job Ad on LinkedIn. I believe that the qualities and requirements mentioned in the job description coincide with those that I have experienced and developed during my time college and internships. Being at the forefront of innovation and targeted future investments, I value the ability to remember the roots and traditions of what JPMorgan Chase and Co has become.

Currently, as a software engineer, collaboration and strong teamwork are crucial aspects to ensure that the company performs its best. While working in a fast-paced environment at Skillz, I found myself lacking team communication skills and efficient collaborative ability. To improve this, I willingly took up a role as the Project Manager for a semester long project in my software engineering class. My goals were to lead my team effectively and submit all the work by the deadlines and to learn and improve my leadership and teamwork skills. By the end of the semester, not only did my team come second in the project completion, but I had been given a special mention by my teammates on my skills as a team leader. I believe that willingness is fundamental to self-improvement and self-discipline to get the job done.

Another important quality I find is being able to think out of the box and come up with creative solutions. For my Artificial Intelligence course, as a group assignment, we were given a task to write a program that accepts a number and then prints a pattern of symbols corresponding to mathematical operations that would result the number 4. First, we started with a simple mathematical approach. We only got 25% of the required numbers clear. After through research, I came up with an algorithmic approach that incorporated Breadth First Search. With this, we were able to get nearly 80% of the total required numbers. We found out that the problem was an NP problem. We then shifted the mathematical approach in the logarithmic space and were able to get 100%. Out of 15 teams of 2 students each, only 3 were able to get 100%. Our program was the smallest of all and is now taken as an exemplary work by the professor to teach other incoming students.

I hope that the qualities here demonstrate my determination and my excitement to work on different projects and show how I treat my weakness as well. I look forward to hearing from you soon about the next steps with the application process.

Regards,  
Nikhil Raina