6 February 2023

Dear Hiring Manager, University Recruiter, Rossum,

I used to be under the delusion that entry-level ML internship positions are supposed to be on the same level having minimal to no impact. However, after reading the "WHAT WE OFFER" section in this job description, something about being an MLeer at Rossum felt different and got me excited about the opportunity to work in this Dynamic, Top-Tech company!

What struck me the most was that Rossum isn't expecting new graduates to have industry-level experience but only looks for a real innate passion to self-learn. The notion that "Python is one of the best ways to code" is basically a fact at this point! Your values of having strong opinions but holding them weakly and that result matters, not the hours it took to achieve it, are the ones I resonate with the most!

I have always had a fondness for working in teams, in fact I prefer it, dating back to my undergraduate years. One of my projects, Divya Drishti, is designed to aid visually impaired individuals in their daily tasks such as recognizing currency, reading text, summarizing text, detecting colors and objects through a voice-activated Raspberry Pi module that operates offline, providing independence even in rural areas. This project allowed me to lead a team of four, utilizing Python, Android-Java, Tesseract OCR, and NLP techniques and a chance to conduct interviews with members of the National Association for the Blind to gather crucial feedback from our target audience.

Further, Interning the past 2 summers, I have developed robust machine learning, data analysis, and database management skills along with my strong problem-solving skills, project management, and ability to work in teams, making me an ideal candidate to become part of "controlled chaos." In my previous internship at LeadingIndia.ai, I worked on a Vaccine Prediction model on the H1N1 and seasonal flu vaccines to accurately predict the trends of the public acceptance rate (41%) of the Covid-19 vaccine. My team and I were able to publish a research paper on the topic and wrote a blog showcasing the correlation between the two pandemics.

Additionally, during my Masters in CS at UCSD, as part of the Recommendation Systems course, I got familiar with the theory behind collaborative filtering and latent factor models concerning recommending and predicting user behaviors. I implemented this knowledge in the final thesis report of the course by deploying machine learning algorithms, including N-gram, Multinomial NB, and Linear SVC, analyzing user reviews and how likely they were trying to recommend a product.

I am confident that my skills and experience make me a strong candidate to be a Rossumeer, and I am eager to grow and develop while learning from the world-class leaders at Rossum. Thank you for your time and consideration. I would appreciate the chance to discuss further my qualifications and how I can contribute to something that companies worldwide get real value from! Please feel free to contact me at your convenience by email (jjhaveri@ucsd.edu) or by telephone (+1 858 214 9192).


Sincerely,

Jay Jhaveri