

29 April 2023

Dear Hiring Manager, University Recruiter, Ramp,

I used to think that all entry-level internships had little to no impact. But after reading about Ramp's goals and expectations, I am confident I can meaningfully contribute to your company. After thoroughly reading the job description, I realized the immense overlap between my skills and knowledge and what you are looking for in a potential intern.

I am a first-year master's student at UCSD majoring in Computer science. I have had almost one year of Software Engineering work in coursework, projects, and internships. My most recent endeavor is with a stealth startup in the Bay Area, where I volunteered (Yes, I enjoy coding as a side hobby, too!) to develop and integrate their existing Python backend to a well-designed, user-friendly website utilizing AWS and React JS.

Further, Interning the past 2 summers, I have developed robust data structures, android, 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 an SDE at Ramp. In my experience working on my undergrad final year project, Aatmanirbhar Sanchar, I picked up some great habits. Learning from my mentors at the Tata Institute of Fundamental Research (TIFR), I got familiar with a CICD development pipeline, albeit on a smaller scale. My team utilized a server-client architecture to develop a secure chat application disconnected from any third-party APIs. Apart from porting over the main chat application to android, we also reutilized this knowledge to build a sister Android application, useful for auto-synchronizing files, for instance, radiation readings from Geiger meters, securely to a remote server. I enjoyed the opportunity to work on a real-world project and make a tangible impact on a company's needs.

Additionally, I am the guy on the team who feels that the product is not completed unless I can use all the app's functionality on my android screen! As part of Looking Beyond Syllabus and Smart India Hackathon, I led a team of 6 members to develop an affordable solution that uses image processing of number plates to detect, identify and monitor vehicles in different scenarios. This is a project made to eliminate the need for manual registers and multiple security guards in a simple, cost-efficient way :) It uses YOLO v3's object detection to detect number plates and follows it by Tesseract OCR to identify the characters from the recognized number plates. We used android-java to build the application and connected it to the Python-based - DL backend using Google's Firebase database storage.

I am confident that my skills and experience make me a strong candidate to be at Ramp, and I am eager to grow and learn from the Best-in-class teams at your company.

Thank you for your time and consideration. I would appreciate the chance to discuss further my qualifications and how I can contribute to Ramp! Please feel free to contact me at your convenience by email (jjhaveri@ucsd.edu) or by telephone (+1 858 214 9192).

Sincerely,

Jay Jhaveri