

# Shubham Kaushal

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## Cover Letter

Dear HR,

I am writing with interest in the job opening at your company. I learned about this role on LinkedIn, and I am interested in applying for the same.

In my role as a Machine Learning Engineer, I handled the entire lifecycle of model development, from data preprocessing to model production. The data consisted mainly of images; hence, I have also worked on innovative image processing techniques, which helped the company save time, computational resources, and money.

My responsibilities in order of execution for a project:

1. Image Preprocessing (feature extraction): sometimes, the problem statement is solved by simple processing techniques and feature extraction. (OpenCV, Albumentation)
2. Model Selection: Selection of a model (YOLO, SSD, Faster-RCNN etc., based on required inference time, accuracy and class imbalance)
3. Model training: Selecting training parameters (batch size, epochs)
4. Logging the results and comparing models

The company is emerging as a leader in developing next-generation technologies and providing practical solutions to real-world problems, and I aspire to learn and grow if I get a chance to work with you.

So to wrap it up, thank you for looking into my application. I'd love to discuss this role with you.

Best Regards,  
Shubham Kaushal