

## **PRATIK DOSHI**

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Dear Hiring Manager,

I am writing to express my interest in and convince you of my candidature for the Machine Learning Intern position at Seagate.

I am a graduate student at UC Santa Cruz, specializing in AI. Although my existing work is in Computer Vision, I am looking to dive into NLP in the future. Previously, I have worked on CNNs and used transfer learning techniques to fine-tune pre-trained transformers (Vision Transformer, in particular). While doing this project, I gained experience designing custom training pipelines, experimenting with models by sequentially unfreezing pre-trained layers, and managing end-end training exercises on cloud GPUs. I have previously worked as a Backend Software Engineer. Therefore, I am also comfortable designing, developing, and deploying backend infrastructure.

I am currently working on Vision-Text and Encoder-Decoder-based Deep Learning architectures to solve the image captioning problem. Most of this work includes studying research papers, implementing their models in code, and devising strategies to tweak models to make them better suited to solve the problem at hand.

I am ambitious, result-oriented, and a good problem-solver. I am an excellent individual contributor and also work well in a team. I look forward to connecting with you to discuss my candidacy further.

Thank You.

Sincerely,

Pratik Doshi