Arjun Mehta

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# Professional Summary

Applied Machine Learning Engineer with expertise in computer vision, deep learning architectures, and model deployment. Passionate about building robust AI systems that scale efficiently from research to production.

# Experience

Machine Learning Engineer, VisionCo (San Francisco, CA) (2020–Present)

* Designed PyTorch-based CNN architectures for defect detection on industrial surfaces, increasing detection accuracy by 15%.
* Developed Dockerized inference pipelines for edge devices using NVIDIA Jetson boards.
* Built internal MLOps framework using MLflow and CI/CD pipelines for reproducible training workflows.
* Collaborated with data engineering teams to automate data labeling and augmentation processes.

Research Intern, Computer Vision Lab, IIT Bombay (2019)

* Researched self-supervised learning techniques for image segmentation, resulting in a publication in CVPR 2020.
* Developed data augmentation scripts for unsupervised feature extraction models.

# Education

B.Tech in Computer Science, Indian Institute of Technology (IIT) Bombay (2019)

# Skills

Deep Learning, PyTorch, Computer Vision, Docker, Git, TensorFlow, C++, MLOps, CI/CD, Linux