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