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Dear Hiring Manager,

I am writing to apply for an AI Engineer position. I am a final-year Computer Science student at the University of Indonesia with direct production experience taking machine learning models from research to deployment, most recently as an AI Engineer Intern at Meeting.ai, where I worked on speech systems serving real users.

At Meeting.ai, I benchmarked Automatic Speech Recognition pipelines under high concurrency to isolate latency bottlenecks and ensure deployment stability, and I compression-optimized a Speaker Verification model via knowledge distillation, significantly reducing its parameter footprint while preserving accuracy and improving inference throughput. I also architected a user-in-the-loop active learning pipeline that resolved clustering ambiguities in speaker verification and continuously improved downstream model accuracy. As a volunteer AI Engineer at Intergalactic Science Kingdom, I integrated the OpenRouter API for dynamic multi-model LLM routing, optimizing inference latency, context window management, and speech synthesis pipelines within an agentic AI system.

My competition record reflects the same focus on applied, production-grade AI: I built a multimodal emotion detection system (BERT, Whisper, and VAD features fused via ViT-LSTM) that achieved 99.71% public leaderboard accuracy at Satria Data 2025, and a YOLOv8/ByteTrack computer vision pipeline for real-time illegal parking detection at Gemastik 2024. I pair this engineering depth with strong software fundamentals in Python, PyTorch, TensorFlow, and Hugging Face, and with backend skills (Go, Django) that let me own a model end-to-end, from training to a served API.

I would welcome the opportunity to bring this blend of ML systems engineering and production deployment experience to your team. Thank you for your time and consideration.

Sincerely,
Darrel Danadyaksa Poli