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November 7, 2024

Hiring Manager

Cermati

Dear Hiring Manager,

I am writing this letter to express my interest as a Data Scientist position at Cermati. With a solid foundation in machine learning, computer vision, and large language models (LLMs), I am confident in my ability to contribute to your team's success. I bring hands-on experience in AI development, as demonstrated through my work as an Artificial Intelligence Intern at PT. Salam Pacific Indonesia Lines and various academic research projects.

At PT. Salam Pacific Indonesia Lines, I led three AI projects, including real-time object detection using YOLO and OpenCV, where I enhanced model performance and increased precision to 87%, recall to 79%, and F1-score to 84%. My ability to optimize and fine-tune models has been pivotal in improving inference speed, such as through quantization techniques and deployment on edge devices. Additionally, my collaborative work with different departments has provided insights into AI-driven solutions that improve operational efficiency, which aligns with your company's goal of driving innovation through AI.

Furthermore, my experience as a Research Assistant and Laboratory Assistant at Buana Perjuangan University has equipped me with strong research skills and the ability to apply various machine learning algorithms to solve complex problems. I worked on projects involving imbalanced data and comparative analysis of classification algorithms, achieving an AUC score of 0.868. This research experience also led to the publication of two papers in Sinta-indexed journals, showcasing my dedication to advancing the field of AI.

In my recent projects, I developed a chatbot using Retrieval-Augmented Generation (RAG) for analyzing and providing feedback on CVs, and I optimized LLM-based chatbots using LangChain and Groq technology to enhance inference speed by 60%. These projects exemplify my proficiency in integrating AI solutions into real-world applications, making me well-suited for the technical challenges at Cermati.

I am excited about the opportunity to bring my skills in Data Science and problem-solving to your team. I look forward to the possibility of discussing how I can contribute to your company initiatives. Thank you for considering my application. I am available at your convenience for an interview.

Best Regards,

Angga Ramda Ramadhan