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Dear Hiring Manager,

I am writing to express my interest in the **Data Scientist** position at your organization. With over one year of hands-on experience in AI, Machine Learning, and Generative AI, I bring a strong blend of technical expertise and practical experience in solving complex, data-driven problems across domains such as drug discovery, computer vision, and NLP.

At **SBI General Insurance**, I developed end-to-end ML pipelines for anomaly detection and predictive modeling, achieving significant accuracy improvements through deep learning and AutoML approaches. My previous role at **Semantic Technologies** involved designing a hybrid AI model for oncology drug screening in collaboration with Charité University, Berlin, reaching an impressive 80% accuracy on large-scale compound datasets.

Key Highlights

- **Generative AI:** Built LLM-based chatbots for SQL querying and PDF Q&A using LangChain, Gemini, and Mistral AI, achieving strong accuracy in response generation.
- **Machine Learning:** Designed and implemented stacking models for yield forecasting and developed ML pipelines for rainfall anomaly classification.
- **Computer Vision:** Implemented semantic segmentation (U-Net) for object detection and mapping with a 50% accuracy improvement.
- **Deployment:** Integrated FastAPI microservices with AWS to deliver real-time AI-based predictions and analytics.

Why I'm a Strong Fit

My technical foundation spans **Python, TensorFlow, PyTorch, LangChain, and Hugging Face**, complemented by a deep understanding of data visualization tools like Power BI and Tableau. I thrive in cross-functional roles, bridging data science with stakeholder communication. My recent certifications in **Generative AI** and **Computer Vision** further solidify my capability to contribute to your Data Science and AI initiatives.

Thank you for considering my application.

Sincerely,
Deep Rabadiy

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