

JIYA PATEL

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Dear Hiring Team at Goldman Sachs,

I am writing to express my interest in the Applied Researcher position within the AI Research team at Goldman Sachs. With a strong foundation in machine learning, natural language processing, and software engineering, I am excited about the opportunity to contribute to the development of advanced language models and AI-driven solutions for financial applications.

My academic background in Computer Science, along with hands-on experience building and evaluating NLP and deep learning models, has equipped me with the technical and analytical skills required for this role. I have worked extensively with Python and modern ML frameworks such as PyTorch and TensorFlow to design, train, and optimize models for real-world tasks including text classification, information extraction, and document analysis. I am particularly interested in applying state-of-the-art language modelling techniques to complex domains such as finance, where accuracy, scalability, and interpretability are critical.

In my recent projects, I have focused on developing end-to-end machine learning pipelines—from data preprocessing and experimentation to model deployment and performance evaluation. These experiences have strengthened my understanding of data structures, algorithms, and production-ready code practices. I enjoy conducting rigorous experiments to improve model performance and collaborating with cross-functional teams to translate research ideas into practical, scalable solutions.

Goldman Sachs' commitment to innovation in AI for finance and its collaborative, research-driven environment strongly align with my professional goals. I am particularly motivated by the opportunity to work on large-scale NLP systems that process complex financial documents and to contribute to advancing the state of AI in high-impact, real-world settings. I value clear communication and teamwork, and I am eager to share ideas, learn from experienced researchers, and contribute to open, knowledge-driven initiatives.

Thank you for considering my application. I would welcome the opportunity to discuss how my skills and enthusiasm for applied AI research can contribute to the AI Research team at Goldman Sachs. I have attached my resume for your review and look forward to hearing from you.

Sincerely,
Jiya Patel