Dear Hiring Committee,

I am writing to express my strong interest in the Research Scientist position within J.P. Morgan AI Research. I am currently pursuing a Master's degree in Computer Science with a focused interest in Artificial Intelligence and Machine Learning, and I am eager to contribute to cutting-edge research that bridges theoretical innovation with real-world impact in financial services.

My academic and project experience has provided me with a strong foundation in core AI and ML concepts, including supervised and unsupervised learning, regularization techniques, model optimization, and experimental design. I have hands-on experience developing and evaluating machine learning models using Python and frameworks such as TensorFlow/Keras and PyTorch, with a particular emphasis on building reproducible pipelines, conducting controlled experiments, and translating insights into deployable prototypes.

I am especially drawn to J.P. Morgan AI Research's mission of pursuing primary research while enabling adoption across the firm. My prior work spans areas such as deep learning, computer vision, predictive modeling, and applied data analytics, where I have been involved end-to-end—from problem formulation and hypothesis generation to model development, evaluation, and result communication. I enjoy collaborating across disciplines and have experience working closely with engineering teams to align research outcomes with practical system constraints.

The opportunity to work on problems such as large-scale data analytics, trustworthy AI, reasoning under uncertainty, and foundation models for complex decision-making is particularly exciting to me. While my exposure to financial services is primarily research-driven rather than domain-specific, I am highly motivated to apply AI techniques to high-impact financial applications and rapidly develop domain expertise.

Beyond technical skills, I bring strong written and verbal communication abilities, intellectual curiosity, and a collaborative mindset. I am keen to contribute to research outputs that result in publications, open-source contributions, or patents, and I am equally enthusiastic about engaging with the broader academic community through conferences and research partnerships.

J.P. Morgan's commitment to responsible innovation, diversity, and real-world impact strongly resonates with me. I would welcome the opportunity to contribute to the AI Research team and collaborate with researchers across Madrid and the firm's global research hubs.

Thank you for your time and consideration. I would be delighted to discuss how my background, skills, and research interests align with the goals of J.P. Morgan AI Research.

Sincerely,
Saaransh Johri