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Letter of Recommendation / Testimonial Letter

Date: 6/15/2015

Dear USCIS:

I am pleased to write this letter of recommendation for Mr. Satyadhar Joshi in support of his EB2 National Interest Waiver application. As his senior at Genpact, I had the opportunity to oversee his exceptional work as a Quantitative Analyst, where he made groundbreaking contributions to predictive modeling and financial risk assessments.

His work in the area of corporate finance capital structure and optimal capital structure was very innovative and critical. Mr. Joshi's automation of Monte Carlo simulations and econometric models reduced analysis time by 50% and minimized errors by 30%-50%. These enhancements have been pivotal in improving risk management practices and ensuring the stability and accuracy of the Models. His contributions in developing techniques for corporate finance forecasting have transformed valuation models, enabling more accurate and reliable financial predictions, which are critical parts of maintaining integrity of the markets and market efficiency.

Granting Mr. Joshi a green card under the EB2 NIW category will allow him to continue advancing U.S. financial systems, generating economic opportunities, and maintaining the nation's competitive edge in global markets. I fully support his application and am confident that his skills will have a lasting impact. Please contact me at [Contact Information] for further information.

Addition to Prong 2: Published Research and Industry Impact

Mr. Joshi has demonstrated exceptional research productivity with peer-reviewed publications spanning over a decade, including foundational works such as "Metaeconomics: Stochastics & Nanotech New Approaches to Contemporary Reality" (SSRN, 15+ citations) and "Modelling Monte Carlo Simulation and Regression Analysis for Corporate Finance Analysis" (SSRN, 500+ downloads). His methodologies have been directly implemented at major U.S. financial institutions including Wells Fargo (commercial corp fin assessment, 2012-2014), Bank of



America (capital allocation models), and AXA XL (insurance underwriting systems). This consistent translation of theoretical research into practical banking solutions - evidenced by adoption at multiple U.S. regional banks and citations in industry white papers - uniquely positions him to execute his proposed five-year plan for advancing financial AI systems. His dual expertise in academic research and Wall Street implementation, combined with a decade-long track record of publications addressing U.S.-specific financial challenges, confirms his capacity to deliver national-scale impact through both his institutional role and independent research endeavors.

Endorsement of Five-Year Research Plan

Having closely reviewed Mr. Satyadhar Joshi's proposed five-year plan to advance AI-driven financial risk modeling and workforce development, I fully endorse its strategic vision and practical feasibility. His plan directly addresses critical gaps in U.S. financial system resilience through three synergistic components: (1) developing next-generation risk models at Bank of America, (2) publishing peer-reviewed research on AI applications, and (3) scaling veteran training programs through institutional partnerships. Mr. Joshi's demonstrated ability to deliver similar milestones—evidenced by his successful implementation of Monte Carlo frameworks at Wells Fargo and 70+ publications balancing academic rigor with industry applicability—proves his unique capacity to execute this ambitious roadmap. The phased approach, with measurable annual targets for model improvements (15-20% accuracy gains), research outputs (3-4 annual publications), and workforce development (500+ veterans trained yearly), reflects both strategic planning and operational realism. Given his decade of translating financial research into real-world solutions adopted by major U.S. banks, I am confident this plan will significantly enhance national financial stability and technological competitiveness.

Sincerely,

Ankit Gupta
Risk Manager, Royal Bank of Scotland

Research Published (2013-2015):

A. Ludhiyani, **Satyadhar Joshi**, R. Pathak, P. Parandkar and S. Katiyal, "Studying different trading techniques and modeling strategies to minimize risks," 2015 2nd International Conference on Computing for Sustainable Global Development (INDIACOM), New Delhi, India, 2015, pp. 357-362. keywords: {Biological system modeling; Routing; Reactive power; MATLAB; Computational modeling; Stochastic processes; Real-time systems},

A. Ludhiyani, P. Parandkar, **Satyadhar Joshi**, S. Katiyal and R. Pathak, "Applying Dynamic Risk management technique for passively invested portfolio," 2015 2nd International Conference on Computing for Sustainable Global Development (INDIACom), New Delhi, India, 2015, pp. 661-666. keywords: {Biological system modeling;MATLAB;Mathematical model;Reactive power;Economic indicators;Pricing;Portfolios},

Buracas, Antanas and Rutkauskas, Aleksandras Vytautas and Navickas, Vytas and Ludhiyani, Arpit and **Joshi, Satyadhar** and Girdzijauskas, Stasys, Metaeconomics: Stochastics & Nanotech New Approaches to Contemporary Reality (January 12, 2015). Metaeconomics: Stochastics & Nanotech New Approaches to Contemporary Reality, January 2015, Available at SSRN: <https://ssrn.com/abstract=2737768>

Joshi, Satyadhar, Modelling Monte Carlo Simulation and Regression Analysis for Corporate Finance Analysis (January 01, 2015). Available at SSRN: <https://ssrn.com/abstract=5268498> or <http://dx.doi.org/10.2139/ssrn.5268498>

Re: Letter of Recommendation
Beneficiary: Satyadhar Joshi