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To Whom It May Concern,

Vinay worked with me from September 2018 until February 2024. During this period, he demonstrated exceptional growth and versatility, serving as a Machine Learning Engineer in Movidius and an Automation Engineer in Feb 24. He is a highly intelligent and prolific software engineer who possesses a rare combination of technical depth and leadership intuition.

While the core of his work involved sophisticated ML development, his contributions spanned the entire engineering lifecycle. In Movidius, he focused on the intricate task of optimizing neural networks to run efficiently on the Myriad X chip, a role that required deep technical rigor and an understanding of hardware-software co-design. His background in engineering is complemented by a natural aptitude for clean, robust code and a disciplined approach to software testing that ensures reliability in high-stakes environments.

Vinay has a knack for developing elegant solutions when presented with complex technical bottlenecks. A standout example of this was his work on the "No-code Object Detector" pipeline. We were looking for a way to democratize high-end computer vision tools for non-experts, and Vinay took full ownership of the architecture. He didn't just build a model; he created a streamlined, end-to-end system that abstracted away the complexity of frameworks like PyTorch and TensorFlow without sacrificing performance. This ability to bridge the gap between heavy-duty research and user-centric implementation is what sets him apart.

Vinay was a cornerstone of our team's culture. He managed and supervised eight interns with remarkable ease, demonstrating a leadership style that is both supportive and demanding of excellence. He is an excellent mentor who can decompose a problem into its fundamental parts, making him an asset to both junior software engineers and cross-functional stakeholders alike.

On a personal note, Vinay has been a pleasure to work with. He is a proactive communicator who takes full accountability for his projects, always following an investigation through from the initial idea to a well-documented implementation. His move toward Senior and Lead roles in Ireland is a natural progression for his career; he has already proven he can handle the technical and managerial weight of such positions. I give Vinay my highest recommendation. He is an outstanding software engineer and a grounded leader who will undoubtedly bring significant value to any AI or software engineering team. If you need any further information, please do not hesitate to contact me.

Regards,

Dr Jonathan Byrne