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**Dear Hiring Manager,**

I am writing to express my interest in the **Position** role at **Company**. I was always interested in technology, but ever since I built a digit recognizer during my Bachelor's using Machine Learning, I was hooked. I strongly believe in the potential of Machine Learning and AI as an equitable force for good, helping us push the capabilities of the entire human race. I believe that my resume, initiative and versatile previous experiences will help make my case.

I started off my career at Deloitte working in both Machine Learning and as an ERP Security Consultant. I obtained valuable experience in explaining difficult concepts in a digestible manner. I was exposed to several different kinds of traditional Machine Learning (ML) systems such as recommendation systems for movies, price & rating prediction challenges for food delivery and food pricing, AutoML tool comparisons, dashboarding using ML etc. I also managed to win several internal Deloitte-wide hackathons and co-authored two whitepapers on ML. I took on a different kind of role during my time at Sensen Networks, building an internal port of transfer.sh.

During my masters, through all the assignments, projects and papers read, I have deepened my knowledge of Deep Learning, coding several oft-used models from scratch. I have also managed to dip my toes in the research pond, by submitting a paper to the prestigious ICLR conference (DL4Code workshop) trying to predict time and space complexities from code inputs.

Finally, during my latest research internship stint at Jumio I was responsible for building an internal Relevance Ranking tool that was supposed to function as a replacement for a third-party API, having no labels available. I also suggested a low-cost, easy to implement alternative to their pre-existing Fuzzy Entity Matching efforts using Sentence Transformers based on Siamese networks instead of using graphical methods. I made sure that both the technical and business facing members of the team understood the applications and extensions of this approach, which led to this project bringing in new business based on a proof-of-concept I built for a client.

With 4.5 years of cross-industrial experience across a variety of domains including Deep Learning, Natural Language Processing (NLP), Shell Scripting and Consulting, I am confident in my ability to make a valuable contribution to your team. I am available to start from July 2023 and am excited about the opportunity to join your firm and use the skills I acquired during my Master’s degree to contribute to the company's success.

Thank you for considering my application. I look forward to the opportunity to discuss my qualifications further.

Sincerely,

Kaushik Moudgalya