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My agricultural background encouraged me to take biotechnology as a career. As a Biotechnology student, I developed active interest in the field of cancer and have done substantial amount of research work pertaining to it. I also have keen interest in Molecular Biology, Genetic Engineering, Cell biology, Immunology, Biochemistry Metabolism, and Biomaterial Science etc. Throughout my studies/internship, I have been fortunate enough to have belonged to college/labs with well-equipped infrastructure, which has acted as catalyst to nourish my desires to maximize my skills. I, therefore, want to acquaint myself with various technologies in the Biotech industries and widen my knowledge base by pursuing MS in your esteemed college.

My research work and Internship has taken me to the best of organization. Currently, I am working as a Research Associate at KBCOLS Sciences Pvt. Ltd., Pune, India. KBCols is a technology driven startup which focuses on the potential of Microbial pigments and their Industrial applications. My main area of work with the present organization has been upstream and downstream bioprocess development. During my tenure I have worked on the techniques like- Fermentation technology, Purification methods, Toxicology studies, Inventory management along with daily R&D activities etc.

Before this, during my academic course, I had joined the Central India Institute of Medical Sciences, Nagpur, a renowned name in scientific and industrial research in healthcare for dissertation work. Along with my colleague, I worked in the Animal Cell culture lab there and gained experience in handling in MCF-7, HeLa cell line and cell culture assay techniques as a part of my project. Both the above experiences have been an eye opener and have given me a glimpse of rigorousness required for lab work. Through these experiences I also have learnt the anxiety of anticipation associated and the ways to overcome those anxieties to successfully complete the given task. I also have diverse experience of animal handling at Chittaranjan National Cancer Institute, Kolkata during my summer internship. There I have studied Animal Handling, *in vivo* skin cancer development and related assay techniques. To add to this, my research internship at National Institute of Miner's Health, Nagpur helped me to foster the learning tools and techniques of proteomics and Immunology. All these research experiences

have been a stepping stone which has helped me to level up in order to achieve my dreams and ambitions of becoming a part of a research laboratory where cutting edge research is performed and new technologies developed.

As a firm believer of out of class pursuits and co-curricular activities as a means of academic excellence, I have been an active member and coordinator of College's Knowledge center. Along with curricular activities, I have been an active participant in intra-college and intercollege cultural activities and have received many awards and certificates. For instance, I represented my College at Medical Device Hackthon-2017 organized by BETiC center, IIT Bombay on JULY, 2017 and received the first cash prize and award of excellence for innovation of new device modelling. During this period, I have learned the true meaning of team work to solve medical and health related issues. All these co-curricular activities have helped me realize the effectiveness of team spirit and being an active leader.

I believe that everyone is unique and that behind everyone, there is always a special story. The hard work, patience and enthusiasm to learn something new shaped me into a person that I am today, and I believe that my background, academics, values and leadership skills will be enhanced by this graduate program. I hope that in future I work at the forefront of developing novel and effective technologies which will not only add value to my career but also help the society and nation at large.

I am sure that graduate program in Biotechnology from from your prestigious Institute will bolster my knowledge and would bring me one step closer to achieving my goals. I feel that the infrastructure of the university is designed to allow students to gain good exposure to both theoretical and practical side of biotech industry. Additionally, the core lab facilities for the research work are highly advanced, which will be very useful for an aspiring Biotechnologist like me. Moreover, the research interest of Professor, has increased my curiosity and thus, tempted me to choose this University for my further studies.

I sincerely aspire that by becoming a member of your institute, I will get access to richness of the knowledge and in return I will be able to impart the knowledge that I shall learn from experts. I hope that this essay will be worthy enough for me to be placed in your esteemed institution.