**Statement of Purpose**

My decision to pursue Specialization in Computing Science has been in the making for a long time. Donning the role of a Web Developer, I have had the privilege to expand my knowledge by interacting with professionals from various technical backgrounds. Being in the field with experienced customers who are from various sectors, has given me the opportunity to not only hone my people handling skills but also spearheading the projects in a leadership capacity. These collaborations have brought in a great deal of learning and have also nudged to expand my domain.

I found myself fascinated by Computer Science from a very early age. Over the past 5 years I have developed a deep understanding and appreciation of the technologies that I have been working on. I then went on to pursue an Undergraduate degree in Computer Science field helped me understand the codes and the functioning behind these products. With the Masters in Computing Science, I aspire to use my industry knowledge and skills to deep dive into the emerging technologies and complex problem solving.

I had various job opportunities while pursuing my graduation. I chose to work at IDFC First Bank, a private sector bank in India. My work involved providing them with technical support for troubleshooting issues related to desktop, routing, switching and wireless.

I started Hardware & Networking classes to learn about securities and networking programmes from a well - known institute Jetking – Computer Networking Institute. But I had my interest in developing websites, Applications and Software’s.

In the final year, I developed a project named Salary Slip Management System for my semester 5 project. Also, I developed various other projects using different programming languages. In semester 6 project I developed a Search Engine based on Database using third party web crawlers to crawl different websites and capture the links given in the websites to display in search engine. I used PageRank algorithm which is also used by Google to rank the webpages in the search engine.

By the end of my final year, I was well experienced with PHP and MySQL.

I had a team which was very well experienced in developing website and applications. So, On May, 2020. We decided to start some type of startup and decided to develop websites, applications or software as per clients requirements and named, HDintution and website as www.hdintution.com.

We gained a lot of leads from various clients for developing websites or applications like an E-Commerce app or website, Grocery app.

Then we got a chance to develop an application for a reputed switches company named Bentec India Ltd. An application for users to scan the QR code and get some loyalty cashback on purchasing their products.

Also, We developed PDF Maker application which converts images to pdf’s, It also merges multiple pdf to one pdf or can split one pdf into multiple and reduces the file size.

This is why I have set my next goal to get out of my comfort zone and dive into the depths of core CS, which is Masters in Computer Science will help me to achieve.

Thus, Ireland having a diverse culture and being a booming technological hub, were few of the many important factors in my decision to seek my education in this country. These aspirations of mine can only be achieved through the pursuit of a Masters degree in Data Science & Analytics, from Cork Institute of Technology. I look forward to improving my knowledge in subjects offered in this program. My research has also convinced me that the erudite faculty, world-class labs, and the industry-oriented curriculum will add to my repertoire and propel me to my goals.

* **Deep M. Thakar**