Having gained more than a year of experience as an Associate Software Developer at Accenture Solutions Pvt. Ltd. and built a comprehensive knowledge of its value and business applications, I have been able to shape my approach to Information Management. My job as a Software Developer in the Oracle CRM team is to design and develop algorithms making applications functional to working on a front-end programming language and managing data using SQL. I am also responsible to manage version builds using Jenkins for deployment in the production. In my first project due to my good results and communication skills, I was tasked with engaging directly with the client. I got to work with real-life data and understood how important it is to maintain the databases in the most efficient manner. Making sense of this data is something that came to me naturally, which gradually helped me to understand how a complex project is managed. Certainly, I feel that pursuing a Master's degree in Information Management would further help me understand the connecting points between business and data. After joining Accenture, i completed several internal trainings in the areas of Java, J2EE Spring, Salesforce, Artificial Intelligence & Machine Learning and Microsoft Azure

Choosing Mechatronics as a field for undergraduate study helped me to understand how the knowledge from different domains can be effectively utilized to devise Automation systems.
It combines specific areas of mechanical, electrical, computer and software engineering. My coursework consisted of various courses related to data which gave me in-depth knowledge. Whereas, courses like Object-oriented programming, Structured Programming language and Operating systems made me aware of plethora applications of my chosen field. Along with this, I have been actively participating in various competitive coding competitions in hackathons. At such a similar platform named HackerRank, I worked to solve problems in a wide range of Computer Science domains such as algorithms, machine learning as well as to practice different programming paradigms. In addition to this, I have also published technical papers named 'Application of fuzzy logic in missile guidance system', 'Smart Headlight System' and 'Solenoid Powered Vehicle With Adaptive Headlight Leveling Systems'. Later this paper was presented in the 3rd Conference on Advanced Trends in Engineering (ICATE 2019).

Academic projects have provided me with valuable insights and learning opportunities. As a part of a mini-project, I in a team of three worked on the Library management system which was aimed at administering the library at the digital platform. We used Java as the programming language, where we developed a computerized system to maintain all the databases of the library. As our final year project, we worked on the 'Solenoid Powered Engine with Adaptive Headlight Levelling Control' which focused on an alternative renewable source of energy to power the vehicle. On presenting it at regional level competitions, we received a wide appreciation for the concept. My responsibilities include simulating the drive on MATLAB, designing the mechanical assembly and coding using Arduino. The project was further extended to address road safety issues. We introduced adaptive headlights in the vehicle to help reduce the risk of accidents during night time.This project helped me gain an in-depth perspective of the challenges involved in implementing a visual idea into practical form.

During the second year of my undergraduate studies, I was selected as an intern at Automation and Control Systems where my responsibilities were to complete the SCADA assessment and development of SCADA plans using ABB Robots. Mainly, I was assigned tasks specific to process control for industrial automation. My learning from this internship was to work efficiently in a team to bring out the best outcome. Later in 2019, I got an opportunity to work as a software engineer intern position at "IG drives and systems". My role was to develop an Android application for electricity theft detection for various consumers.

In view of the experience I have already acquired, I am sure that the meticulous curriculum offered in the Master's programme would serve as a catalyst for building my foundations in analytics and cultivating a deep-rooted market perspective. Therefore, I wish to pursue a Masters in Information Management at the prestigious University of Illinois at Urbana-Champaign This course would provide me with profound knowledge to achieve my goals. A few years from now, I see myself as an Analytics Professional in a product-based company, one which will provide me with a holistic perspective of analytics. The cooperative program offered at your university will definitely help me gain Industrial exposure at the international level. I, therefore, feel the need for an additional qualification. I want to use the skills I have acquired through my professional career to help me make the most of my experience and contribute to the community at University of Illinois-Urbana Champaign.

Yours Sincerely,
Sampada Gajanan Dhole