

The solutions, there  
is an exigent need



**ASSIGN  
BUSTER**

The paces of technological evolution have been increasing at an exponential rate. With the CES 2018, unveiling new cloud server prototypes that enable higher rates of information exchange, access and retrieval for a variety of solutions, there is an exigent need of information management specialists. Data security has remained as one of the primary spheres to bring about evolution. The recent case of Equifax data breach pegs the concern of the data security and identity theft protection measures for organizations with volumes of sensitive data to be protected. On the other hand, visionaries such as Elon Musk have revealed how future autonomous automotive machines will rely on heavy data transfer, analysis and transformation to usher a new revolution in its industry. To accomplish these goals, the cloud infrastructure and services continuously need to evolve, to deliver high speeds of data retrieval and reduce the latency experienced by the consumers.

Data profiling, storing and retrieval becomes equally important, since the correct inference of the structured data would spearhead further research in diverse fields. The increasing number of cyber security threats is another critical area. The surge of the recent denial-of service attacks has brought the network vulnerabilities to the fore, and measures to mitigate the risk of such attacks are crucial to explore. Strict network security controls are of paramount importance. I aspire to contribute to the rapid growth of technology in the fields of cloud computing, data and network security and big data, through practical application of the knowledge gained from the University of Michigan. The AWS is evolving at a rapid rate and I wish to be a part of the information revolution and add to its accelerated growth. A

seamless integration of various electronic devices along with an improved system interaction with the user would be possible by scrutinizing the data and making predictive analysis by deducing patterns.

I wish to contribute to it by tackling challenging tasks in a team based environment to spearhead extensive research and analytical methods of profiling relevant data and extracting meaningful information from it. Information is power and hence its correct usage would result in organizations solving a multitude of problems of our society. However, the field of medical and scientific research still requires comprehensive tools for their specific needs. Coming from a research oriented family, I have realized how technology helps to harness the large amount of bio-medical data to correctly predict recurring patterns requires careful segregation of the type of data to facilitate the molecule analysis. My aim is to achieve system effectiveness thus increasing the value, credibility and success of a business model.

My long term goal would be to provide pro-active solutions to data discrepancies and be a part of teams bringing innovation in more robust data and network security solutions. Working as a Technology Analyst at Accenture Solutions Pvt. Ltd. I realized how large repositories of data are used for a plethora of applications and providing solutions. Having worked on technologies such as SAS, Ab Initio and Teradata I learnt how to use analytical techniques to extract the requested information and combine the results from different platforms to develop optimal solutions for complex problems. The School of Information offers the unique opportunity of having mastery over Data Science and Analytics, Library Science and Social

Computing. Courses such as Information Visualization and Information Retrieval focus on the techniques used to represent meaningful data in a form that is customizable by the end user. The Social computing courses will impart the necessary skills to build complex systems revolving around human interaction thus offering valuable solutions to problems faced during the design of a new social computing system.

The flexible curriculum allows the student to choose courses based on their individual interests. The voluntary student organizations at the University of Michigan further enhance the data literacy of the community with extensive collaboration with non-profit organizations. This gives the student an opportunity to participate in knowledge building sessions and strengthen their understanding of the concepts. The School of Information also gives the students a chance to work with Professors as a teaching assistant thus adding value to the system.

What sets the School of Information apart is the practical knowledge promulgated instead of theorized solutions to tackle the real world information problems. The School of Information at the University of Michigan thus, focuses on inculcating the necessary skills in a student whilst preparing them to brace complex information challenges in any environment. The courses of Data Manipulation and Analysis will give me in depth knowledge of the tools and resources employed to analyze raw data and devise methods of channelizing the results to increase efficiency and trigger optimization of the data model. The courses of Data Mining and Information Retrieval will help me gain the requisite knowledge to formulate new strategies to segregate the relevant information from vast and varying forms of data.

Having interest in the web based applications that simplify the workload of several tasks, I have pursued in my personal time to find ways to integrate several web applications. Thus courses such as User Experience Research and Design will help me devise web-based systems and applications, thus ensuring a simple and effective end user computing experience. A significant number of fields are using Data Analysis and statistics to improve the accuracy of their predictions. The Statistics and Data Analysis course along with Information Behavior shall help me in formulating improved ways of deducing patterns based on the prior human interaction. Digital preservation required in the fields of medical health and scientific research due to a large amount of historical data has been on the rise. The courses of Digital Curation coupled with Library and Archives assessment will aid me in the correct assessment of stored information and its usability to improve the information services provided by an organization. Hence the School of Information would be instrumental in instilling the skills required for initiating increased system effectiveness and performance of a business model and thus contributing to the society.

The Kappa and Theta Pi at the University of Michigan would provide me with a progressive platform to collaborate with students from different cultures in community and study groups to inch closer towards mutual growth.

By collaborating with other students and professors I would assist the University in its research projects at the School of Information. If provided with the opportunity to work as a teaching assistant, it would give me the chance to share my knowledge and work with students from diverse fields. Clubs such as Digital Scholarship Collective would give me a chance to

contribute to their research with students and faculty while learning tremendously from the environment.

With one of my interests being in Health Sciences, the Health Informatics Student Organization would be the apt forum for me to assist the community in their research. The capability to identify the specific key components and the precise information needed from each sphere to solve a problem task is a skill I'd add to the diverse group at the University of Michigan. I have also consistently excelled in various public speaking tournaments, representing my college in Parliamentary Debates and Model United Nations and have mentored the members at Debate Society, VIT University. This exposure has endowed me with the expertise to present cogent and persuasive cases during regular reviews, presentations and discussions with the insurance clients at Accenture.

Hence my contribution would be in formulating the matter, manner and method for the representation of a cogent case analysis which aims to strengthen the coherency of our solution and facilitates a clearer understanding of the nuances involved.