



FINAL REPORT

IT SEMINAR-7001

SUBMITTED TO

Prof. Hazem Said
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SUBMITTED BY

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Background and Course Learnings:

The first speaker discussion that we had was with Mr. Piyush Singh, an interesting topic about Myths and Myth Busters in the corporate life. Though there were lot of points that I could contradict, this was a good experience for me to understand the corporate life style on a bigger picture. I learned a lot about being outcome driven rather than having the luxuries at the organization. Lot of other key points that I could always use when I go ahead in my career. Speaker discussion with JD Rogers made me understand a lot on the security perspective of an organization. Roles and responsibilities of CISO was something I got to know since this topic was completely new to me. In the field of Cybersecurity there are lot of opportunities as students we can look forward to.

The speaker discussions with Dr. Nelly ElSayed and Dr. Murat Ozer are something that I kept looking for since I already know they are UC professors and the discussion would be on academic specifics. The presentations were all about the current technologies involved. In particular with Dr. Nelly's presentation about Deep Learning and Neural Networks I learned a lot. My area of interest is in Machine Learning and Deep Learning. Having got to know about those topics and the research work that they are currently holding is something that made me more interesting towards the presentation. Mr. Ozer's discussion about Digital Investigations is the topic that I would have never thought that Machine Learning would be used. The project and the research work collaborating with the police department is something that made me realize the scope of Machine Learning. More than the topic, the aim that Ozer developed over the years to help police department made me realize how committed one should have. Along with the presentation, Professor Hazem Said shared a lot of information where he interacted with the judiciary and mentioned that the aim of Mr. Ozer looks something similar to that of what Mr. Hazem already know. Dr. Jess interaction about the project related to Covid-19 is something that made me realize that there is a lot of research work going in university.

Mr. Ahmed ElQuosey, the information about Service Management made me understand that there is a lot to achieve in the 'front end' IT. Service Management is key to establish and improve business. Presentation of Mr. Kevin Kampman about Identity and Access Management. Identity and Access Management was explained with the metrics of identification process by the speaker which made me understand the importance of security in an organization. After the Module getting an opportunity to provide presentation on Module Overview is something that I will be looking for. The topic that we choose for the presentation was Security as a Service. This helped me in learning how security is provided as a service in the IT sector.

With the Module 5 it was again the speaker presentations starting with Mr. Hector Madina. Though the topic "Internet of Things" was already familiar to me. It provided

me an opportunity to understand how this IoT is still being used extensively in lot of sectors health care being one particular area which really got my attention. The presentations from Dr. Kijung Lee and Eric Alanson who are among the University professors, made me understand the research project by kijung lee and the career education from Alanson. Research project by Dr. Lee is an in-depth concept were analysing the social media information for Health care sector. Eric Alanson professor of professional development course explained about the career education and to plan for employment.

Last speaker presentations from Vineela Kunapareddi and prof. Vali Tadayon were engaging too. Me getting a chance to work for the ITSC internship and Ms Vineela providing information on how she made her Internship to a full-time employment is inspiring. The final Module Overview presentation that we chose is "Role of IT in Education" which also helped me in understanding the various ways the IT is helping the Education sector to benefit the student community.

Domain Selection:

Primary Domain: Deep Neural Networks

The advantage of deep neural network is that they can be trained from end-to-end. In other words, deep neural networks are able to learn the features that optimally represent the given training data. Learning becomes deeper when tasks you solve get harder. Deep neural network represents the type of machine learning when the system uses many layers of nodes to derive high-level functions from input information. It means transforming the data into a more creative and abstract component.

When Dr. Nelly Elsayed explained about the Deep Neural Networks and Machine Learning, being my interesting topic, I had lot of attention to the presentation. The frameworks that I need to learn to become proficient in Deep Neural Networks, the advice from Dr. Nelly Elsayed boosted my interest in the subject. The continuous research work on the topic that I did made me choose the topic as my primary domain. I cannot say I will choose this for job opportunities in future but I will definitely consider this as a great career opportunity.

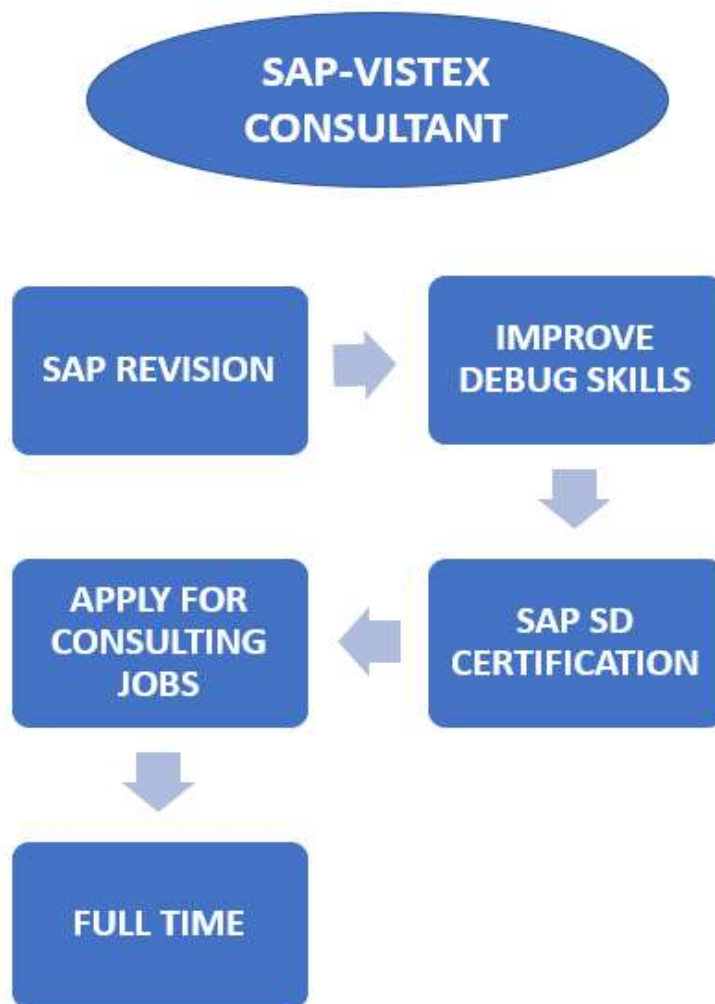
The realistic opportunity that I see myself in this domain are very minimal but I see there is a lot of potential for any individual choosing this domain to be successful with dedication and continuous learning.

There are few certifications that I need to pursue to be good in this domain. However, at this point of time I am not making myself rush into certifications. I will be taking time to understand my ability and acceptance into the domain and then will try to do the necessary certifications as recommended.

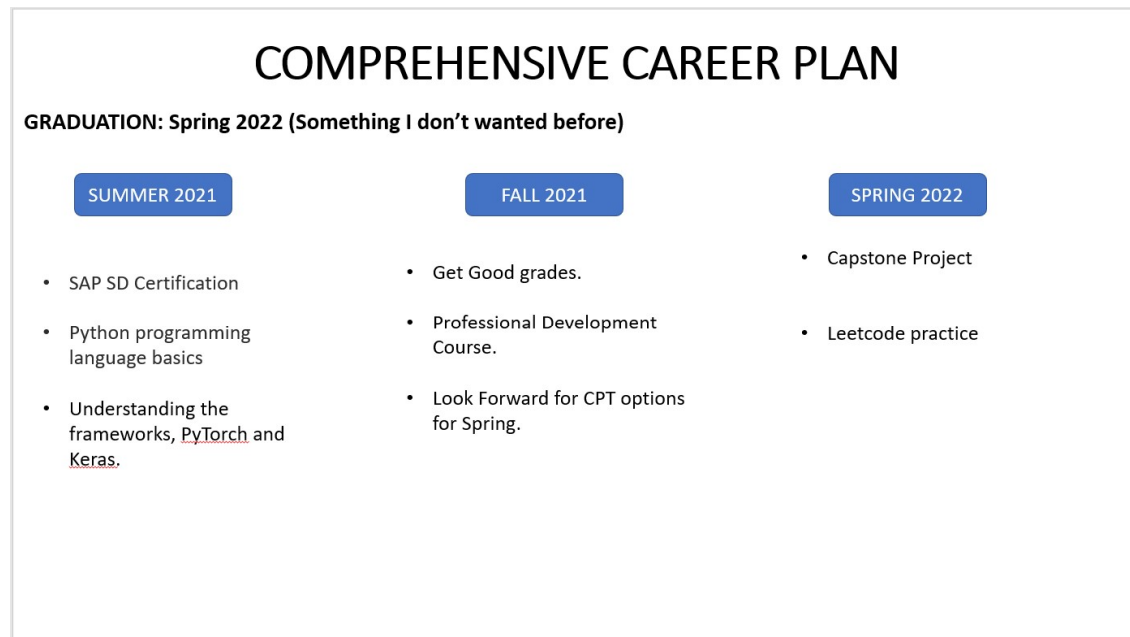
Secondary Domain: SAP-Vistex Consultant

I worked for a company called Vistex for 5 years which provides solution extensions to SAP. I am aware of the SAP architecture and also the latest trend SAP S/4 Hana. However, the domain that I would be choosing is different to the work experience I had. I need to become a lot proficient in ABAP programming and should possess an immense knowledge in debugging. Though there are additional certifications required for me to enter into this domain, it is always about accepting challenges and trying to make those challenges to an opportunity. My prior experience will provide me a base platform which make it easy for me to understand the architecture and the functionality.

The realistic opportunity that I see myself in this domain is when I can do the following steps in the order I mentioned below.



Career Plan:



As I have explained over the final presentation, I wanted my career plan to be as realistic and as achievable as possible. In summer 2021 I will definitely not stress more towards my career as I want to enjoy my time being in US. Still keeping my future in mind, I wish to complete SAP SD certification, Python programming basics and also, I will be looking at understanding the Deep Neural Network frameworks like PyTorch and Keras.

Coming to Fall 2021, I wish to concentrate on academics. I will be taking 4 courses and a professional development course during my Fall semester. I will also be looking at CPT options that I can apply for Spring and also will keep my resume and LinkedIn profile updated to build a strong network which might boost my chances of employment. For my internship I will not be looking at only paid options when it comes to my primary domain. I am willing to work as an unpaid intern for sometime to get the industry experience.

In the Spring semester of 2022, I will be concentrating on the Capstone project and will prepare myself to be ready for full time opportunities. I might choose job interviews from both the domains that I mentioned above and will give my best to fulfil my dreams after my Master's Degree.

Conclusion:

To conclude my report over the course and the course outcomes, I thoroughly enjoyed every speaker interaction that we had. The vast amount of experience the speakers brought to the course can invaluable. Professor Hazem Said's continuous feedback and monitoring in every module overview presentation is a great experience for not just the recent graduates but also students with professional experience like me.