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UNIVERSITY OF
WOLVERHAMPTON

HERALD
COLLEGE
KATHMANDU

Academic Skills and Team-based Learning (4CI018)

Student Id	: 2060033
Student Name	: Diksha Gautam
Group	: L4CG8
Lecturer	: Ms. Kritika Tuladhar

Acknowledgement

These assignments have required a lot of effort from me. It would not have been possible without the generous aid and assistance of many individuals and institution. I would like to express my heartfelt gratitude to each one of them. I owe a debt of gratitude to Herald College Kathmandu and the University of Wolverhampton for their proper enlightenment, as well as for their resolute superintendence and task advice and resources in executing the task. I would like to thank the members of the Herald and Wolverhampton for their kind co-operation and encouragement in completing this task. I am grateful to all my teachers and friends for their constant support and encouragement throughout the semester. Last but not the least, I want to thank me.

Contents

1) Blog
Link to blog:

https://inodorous.wordpress.com/blog/

2) Video statement
Link to video statement:

https://drive.google.com/file/d/1zf30i-6IqrlAbECNL5kd9YJeoZeOgUmU/view?usp=sharing

3) Academic Report

Introduction

Introduction to University of Wolverhampton

Herald College Kathmandu (HCK) offers the finest UK university education at the most affordable prices in Nepal. Herald College Kathmandu offers bachelor's degrees in information technology and Business in direct collaboration with the University of Wolverhampton in the United Kingdom. The programs offered by Herald College Kathmandu are versatile and have always sought to promote a wide base of knowledge. Over 500 courses are available at the University of Wolverhampton to help you realize your potential and pave the way to a bright future. Learn more about yourself at a university that boasts a 96 percent graduate employability rate*, all the advantages of a central UK venue, and teaching and provision that has been recognized as exceeding national quality standards for UK higher education. The University of Wolverhampton is a leading modern university with a nearly 190-year history of providing opportunities and academic excellence. The University of Wolverhampton has its origins in the growth of Mechanics Institutes in the nineteenth century, which offered technical and general education to working men.

Introduction of Leapfrog Technology Inc.

I am familiar with your business, Leapfrog Technology Inc. is a well-established software development firm with the aim of producing world-class Leapfrog Technology Inc. is another leading Nepalese company working in the field of artificial intelligence and healthcare. This company was founded in 2010. Leapfrog Technology Inc helps grow the business with the help of an AI solution. Leapfrog Technology software and serving as a role model in Nepal. Leapfrog was founded in 2010 and has offices in Massachusetts, Portland, and Seattle, as well as a headquarters in Kathmandu. Its clients are primarily US-based start-ups and entrepreneurs. It now has over 200 engineers working for it. M-PESA, a Kenya-based mobile payments company founded by telecom giant Vodafone, was the inspiration for this project. This company provides services like, AI solutions,

Medical device, Mobile application development, Data engineering, Machine learning, Natural language processing etc. The company's first projects focused on bringing mobile banking to rural Nepal, but it has since expanded its offerings to include healthcare, financial technology, and education. They have many key achievements. Their mission is to be the best and most trusted technology services company to execute your digital vision.

2. Background

Comparison of Nepalese University With UK University

When comparing a Nepalese university to a UK university, we can see that the educational systems are vastly different. In Nepal, students are accustomed to learning entirely through lectures, going to school or college on a regular basis, bringing their books and copies to take notes on what their lecturer says. They then take a test at the end of the session to determine if they are progression worthy or not. This determines whether they worked harder or not, whether they gained knowledge or not. If a student is unable to pass the test, he will be required to retake the session. If a student becomes ill at the end of class, he can face difficulties, regardless of how hard he studied. The education system in this country is conservative, with the priority on theoretical rather than practical knowledge. But when it comes to universities in the United Kingdom, we will find one of the best universities in the world, and Wolverhampton University is one of them. The educational system in UK is entirely different from that of Nepal. The test would not entirely determine a student's rank; the teaching and learning methods are also somewhat different in Wolverhampton, practical experience is prioritized over theoretical knowledge. Wolverhampton University's courses are designed in such a way that students have the best prospects for jobs and career advancement. Instead of concentrating mainly on theory, the sessions at Wolverhampton University consist of lectures, workshops, assignments, and groupwork, which helps them to sharp their career better. After graduating from Wolverhampton, students will be able to use new technology, lead others, work with other employee and be confident in working in a variety of environments. Taking about the course of the Wolverhampton BIT course, the course aim is to create software developers who can seamlessly move from university to the global computer industry. This is accomplished by establishing a solid foundation in computer science fundamentals and combining them with computer languages, methods, techniques, and methodologies used by computer professionals around the world.

Courses taught in university of Wolverhampton

Following are the course of BIT:

Course specification:

❑ Year 1
- 4CI018: Academic Skills and Team Based Learning
- 4CS001: Introductory Programming and Problem Solving
- 4CS015: Fundamentals of Computing
- 4CS016: Embedded System Programming
- 4CS017: Internet Software Architecture
- 4MM013: Computational Mathematics

❑ Year 2

- 5CS037: Concepts and Technologies of AI
- 5CS019: Object-Oriented Design and Programming
- 5CS021: Numerical Methods and Concurrency
- 5CS022: Distributed and Cloud System Programming
- 5CS024: Collaborative Development
- 5CS020: Human Computer Interaction

❑ Year 3
- 6CS014: Complex System
- 6CS005: High Performance Computing
- 6CS007: Project and Professionalism
- 6CS012: Artificial Intelligence and Machine Learning
- 6CS030: Big Data

Company Overview

Leapfrog Technology Inc. has its own values which includes, be nice and have integrity, always be learning, be ambitious and be open. The objective of this company is to empower people all over the world to solve big problems. Their customers select them because of their world-class engineers and product innovation standards help them evolve and adapt faster. They have instilled a culture of service, inclusion, and continuous growth in our people by continuously validating our own skills, programming, and processes based on how satisfied you are. Leapfrog Technology is a well-established software development firm with the aim of producing world-class software and serving as a role model in Nepal.

Leapfrog was established in 2010 and has offices in Massachusetts, Portland, and Seattle, as well as its headquarters in Kathmandu. Its clients are mostly start-ups and entrepreneurs from the United States. It now has over 200 engineers working for it. M-PESA, a Kenya-based mobile payments company founded by telecom giant Vodafone, was the inspiration for this project. Leapfrog was founded in collaboration with Kumari Bank with the primary goal of "bridging" the digital divide between banked and unbanked people. Using mobile devices, E banked in Nepal. Leapfrog is derived from the word leapfrog, which means leap forward in time. The company's first ventures focused on introducing mobile banking to rural Nepal, but it has since extended its offerings to include healthcare, financial technology, and education.

Their main goal and key accomplishments:

Any of the businesses Leapfrog has worked with have been purchased by larger corporations or have grown exponentially to become multibillion-dollar businesses. Leapfrog has also launched Mach net Inc. a remittance company targeted primarily at Nepalese students studying or working in foreign countries. Remittance transactions are currently supported in five countries, including Nepal. Leapfrog holds events like hackathons on a regular basis to learn, explore, and find the best practices. Developers have access to Leapfrog's internal office library and a variety of online learning accounts. Engineers are also sent to the United States and India for further exposure. Every year, Leapfrog hires 50-60 college interns in the region. These interns are initially given a "ordinary mock kit" to complete as a group. They

are evaluated after they have completed them successfully before moving on to the real ones. He aims to gain more business customers in the health, education, and Internet technology markets, as well as extend Mach net's operations in other nations, as part of Leapfrog's future. It also intends to increase spending on recruiting, training, and staff growth.

Current vacancy post:

- Senior Java Developer (Fixed-term contract)
- Senior Angular Developer (Fixed-term contract)
- Machine Learning Engineer
- Software Engineer - Quality Assurance
- Business Analyst
- Project Coordinator
- Ruby on Rails Engineers (Fixed-term contract)
- Associate Project Manager
- Senior Data Engineer
- Senior Full Stack Node/React JS Developer
- Senior Python Developer (Fixed-term contract)

Conclusion

Ultimately, I would like to point out that graduates of the University of Wolverhampton are far better and more suited for the job than local graduates. Here as mentioned above, Leapfrog Technology Inc. is searching for a suitable candidate who are well-trained and qualified. The University of Wolverhampton students tend to blend in better than graduates from other universities. Graduates of the University of Wolverhampton possess all the skills and experience that you are looking for. Graduates of this program are well-suited for the company's potential growth and will contribute to its expansion. It is a great match because University of Wolverhampton graduates specialize in software development, networking, and data processing, which is exactly what the company needs. Leapfrog Technology Inc. focuses on software development as well as business operations. Students at the University of Wolverhampton will study web development and application development. They will be prepared for the job by learning about software development, software quality control, data processing, and reporting. Because of its international recognition, F1Soft Nepal may be able to attract buyers from other countries as well. As a result, students from Wolverhampton are the strongest applicants for the open positions in the university. Leapfrog Technology Inc. specializes in software creation, database analytics, software testing, IT management, and business management.

References

Obtainable at

:https://www.vedadigitalmedia.com/top-10-best-it-companies-in-nepal/

: https://www.wlv.ac.uk

4) Professionalism Task
   i) CV

DIKSHA GAUTAM

Dhumbarahi , Kathmandu 44600

Phone: 9880939449

Email: dirwanigautam@gmail.com

Objectives:

- To obtain a position where my experience and education can be utilized and expanded

Skill sets:

- Time management
- Co-operation
- Organized
- Analytical skills
- Reasoning ability
- Good communication skills
- Team player

Computer skills:

- Programming Languages: JAVA, Python
- Operating System: Linux
- MS WORD, MS OFFICE

Achievements:

- Got 1st place in the inter school fest
- Participated in inter school essay competition

C) ACADEMIC QUALIFCATIONS					
Secondary School/College	Dates		Examinations taken	Date	Result
	From	To			
Shram Rastriya Secondary School	2017	2018	Secondary Education Examination	2018	(3.35) A
Shivapuri Secondary School	2018	2020	School Leaving Certificate	2020	(2.64) B
Herald college Kathmandu (University of Wolverhampton)	2021	2024	Bachelor's (Graduation)	Ongoing	

Hobbies:

- Reading books
- Cooking
- Outdoor activities
- Stone skipping

Personal profile:

Date of birth: 2004/04/07
Languages: Nepali, English, Hindi

ii) Graduate Recruit form

University of Wolverhampton
Graduate APPLICATION FORM

Please note that Appendix A must be completed by your university tutor

CONFIDENTIAL

POSITION APPLIED FOR:	RESEARCH AND DEVELOPMENT – Computer Science Graduate

A) PERSONAL DETAILS (BLOCK CAPITALS PLEASE)

Surname:	GAUTAM	First Name:	DIKSHA
Title:	Miss	Preferred Name:	DIKSHA
University Address: Hadigaun Marg, Kathmandu 44600		Home Address: Dhumbarahi, kathmandu	
Mobile Number: +977-9880939449		Phone Number: +977-9880939449	
E-mail address: np03cs4s210306@heraldcollege.edu.np		E-mail address: dirwanigautam@gmail.com	
Nationality:	Nepali	If you are not a British passport holder or a European Citizen, or you do not have the permanent right to remain in the UK, you will require a work permit.	
Do you need a work permit to be employed in the UK?	☒ Yes ☐ No	If you already have a work permit, when does it expire? _____ (Please note that your current work permit may not be valid for this post.)	

B) DEGREE COURSE DETAILS

University: University of Wolverhampton	
Course: B.Sc. (Hons.) Computer Science	
	Name: Diksha Gautam E-mail address: dirwanigautam@gmail.com Phone Number: +977-9880939449
Main Subjects Studied:	Results to Date: XXX
Artificial Intelligence	

C) ACADEMIC QUALIFCATIONS

Secondary School/College	Dates		Examinations taken	Date	Result
	From	To			
Shram Rastriya Secondary School	2017	2018	Secondary Education Examination	2018	(3.35) A
Shivapuri Secondary School	2018	2020	School Leaving Certificate	2020	(2.64) B

Other relevant Education or Training Courses, with dates
No, I have never done such courses.

D) WORK EXPERIENCE (Most recent first)

Dates		Employer Name	Position Held & Responsibilities
From	To		
2019	2020	Diksha Gautam	Data entry post of junior level.
2018	2019	Diksha Gautam	Receptionist

E) COMPUTING EXPERIENCE
Please expand on your experience and knowledge of programming / use of software packages, including relevant examples

I have worked with a variety of computer languages and have a broad breadth of computing knowledge. I have also made a challenging python hangman game and a compound interest calculator using the Python programming language. Because I'm a newbie, programming skills are not up to par. I made an attempt to build a website. I had a lot of practice material available to me.

F) PLANNING, ORGANISING AND DELIVERY

Give an example of where you were responsible for planning a project or event. Please consider:

- A brief description of the project or event.
- Provide details of your planning process.
- How did you ensure that attention to detail was maintained?
- If you were to undertake the same project or event again, how would you plan it differently and why?

I recently finished a major project that required the use of the Python programming language. I had to write a Python calculator to calculate simple interest. Various strings, functions, and if/else statements were used to develop the project. I made careful to pay attention to detail because I had done it before. If I had to do the same job or event over, I would plan ahead more than ever before.

G) COMMUNICATION

Describe a situation when you had to communicate an important message to someone. Please consider:

- What method you choose to communicate your message?
- Why did you choose to take that approach?
- How did you satisfy yourself they understood the message?
- How did you respond to any questions or feedback about the message you communicated?
- What was it about your communication that you think was most effective?

I communicated with our module's lecturer via Messenger. I had a variety of issues connected to many topics, and mailing was inconvenient for me at times, so I prefer that technique. I was pleased that they caught my message because I had put it in a straightforward, easy-to-understand way that made it easier for both of us. I got a warm and friendly reply from our professor. Yes, I feel it was as a result of our excellent communication.

H) ANALYTICAL
Give an example of when you had to collect and analyse complex data or information? Please consider:
- The approach you took to analyse the data or information?
- Any obstacles you encountered?
- How successful were you?

This is almost certainly the query I'm looking for. I had to conduct a survey for a company that provides us with IT career prospects. I chose Leapfrog Technology Inc., a Nepalese firm that is one of the most well-known in the business today. I had to research every facet of this firm since I needed to conduct a survey. During this period, I faced a variety of difficulties when performing research on a company with which I was unfamiliar. I experienced numerous obstacles in this case, but I never lost up hope. I'll keep pushing forward and working hard. Thankfully, I have some senior colleagues who work for an IT firm. They've been quite helpful throughout this survey.

I) INTERESTS, ACTIVITIES AND MAJOR ACHIEVEMENTS
Please describe any activities you are involved with in your spare time: (including extra-curricular activities / membership in societies / voluntary work etc.), as well as any interests and hobbies. Please provide details of any major achievements or something you are proud of.

I've engaged in a range of volunteer programs and contributed to a number of societal causes over the years. I'd want to tell you about the most important and wonderful thing that happened. I've given blood, fed street dogs, volunteered for a river road clean-up program, and engaged in a range of social events. I'm referring to my personal hobbies. It's hard to explain everything in this paragraph, but I'll do my best. Some of my hobbies include reading books, cooking, outdoor activities, stone skipping, and so on.

J) CAREER ASPIRATIONS
Please explain what attracted you to Macro 4? What are your future career aspirations and how you think this placement position will help you achieve them? Please also explain why you chose to study your chosen field and how this will support your future career path.

I'm talking about my professional life. This sector was assigned to me since it piqued my curiosity. I believe that if we are enthusiastic about something, we will succeed. As a result, computer science has piqued my attention. Programming, coding, website development, and design are some of my favourite things to do. And I'm convinced that this will help me advance in my profession and enable me to reach my objectives in the year ahead.

OTHER INFORMATION

K) DISABILITIES	
If selected for interview, do you require any special arrangements to be made on account of your disability?	☐ Yes　　☒ No
If "yes", please give brief details of the effect of your disability on your day-to-day activities. Please provide any other information that you feel would help us to accommodate your needs during your interview and fulfil our obligations under the Equality Act 2010:	

L) REHABILITATION OF OFFENDERS ACT 1974 (EXCEPTIONS) ORDER 1975 Have you any convictions that are not spent under Rehabilitation of Offenders Act?	☐ Yes　　☒ No
If "yes", please provide further details: As this post is covered by the Rehabilitation of Offenders Act 1974 (Exceptions) Order 1975, both spent and unspent convictions must be declared:	

K) REFERENCES

Referee 1		Referee 2	
Title:	Choose an item.	Title:	Choose an item.
Full Name:		Full Name:	
Job Title:		Job Title:	
Organisation		Organisation:	
Address:		Address:	
Tel No:		Tel No:	
E-Mail address:		E-Mail address:	
Please state if we may obtain this reference prior to interview	☐ Yes　　☐ No	Please state if we may obtain this reference prior to interview	☐ Yes　　☐ No

DECLARATION

I declare that the information given in this application form is true and complete. I understand that if I have given any misleading information on this form or made omissions, this will be sufficient grounds for terminating my industrial placement.	

Name:	Diksha Gautam		
Signature:		Date:	17/05/2021

The information provided by you on this form may be processed for purposes permitted by the General Data Protection Regulation. You have, on written request, the right to access personal data held about you.

APPENDIX A

TO BE COMPLETED BY AN APPROPRIATE UNIVERSITY TUTOR, SUPERVISOR OR OFFICIAL

Student Name:	
University:	
Course Title:	

Stage reached and progress made in course

Please give your view on the applicant's suitability for the placement they are applying for

Any other information relevant to this application

Your Name:
Position:
Signature:	Date:Click here to enter a date.

iii) Cover Letter

Diksha Gautam

dirwanigautam@gmail.com   +977-9880939449   Dhumbarahi-4
Kathmandu

13th may 2021

Smart Data Solutions(SDS)

Kupondole, Kathmandu

sdhnrecruit@gmail.com

Dear Hiring Manager,

As a longtime admirer of Smart Data Solutions(SDS)'s focus on improving user experience. I therefore got information about your company vacancy from mero job and after visiting your official site, I was excited to see your job listing for the Java Developer (Account Management Programmer). I am sure that I will be a valuable addition to your team.

I enjoy being challenged and engaged in projects that enable me to work outside of my comfort zone and skills set, as learning new languages and development strategies is critical to my success and the success of your company. I'm Diksha Gautam, and I'd like to take this opportunity to introduce myself. I am currently pursuing my bachelor's degree at the England based university "University of Wolverhampton". I want to work with this company because I want to gain a lot of expertise and experience in a variety of fields while still achieving amazing things.

Your criteria are very close to my qualifications and experience. I'd like to highlight a few that would allow me to contribute to your bottom line:

- Good knowledge of JAVA and Object-Oriented Programming

- Good knowledge of relational databases

- Experience with J2EE, HTML, CSS, JavaScript, jQuery

- Proficiency with Unix-like operating systems

- Excellent Verbal and Written Communication

- Time Management and Professionalism

- IT experience

- Ability to work independently

On a personal level I am comfortable working independently and always eager to take on more responsibility and a wider range of duties. Possessing superb communication skills, and being able to express myself clearly, allows me to easily work to work with international global teams. I also have the ability to stay organized and on top of my work at all times. In addition to this I am constantly seeking to improve my skills and am fully aware of the latest developments in the world of Java.

Right now, I am keen to work for a company like yours that has an environment geared towards performance, provides attractive career opportunities and also has a reputation for encouraging its staff to put forward their own ideas and solutions.

I have attached a copy of my CV and hope that you will look favorably upon my application. At any time, you can contact me via phone; 9880939449 or email; dirwanigautam@gmail.com . I would like an opportunity to discuss my credentials with you in person, and would be grateful if you were to invite me to an interview.

Thank you for taking the time to review my application.

Yours sincerely

Diksha Gautam

5) Linear Algebra Report

Role of Linear Algebra in AI

Linear Algebra is a branch of mathematics that studies vectors, matrices, and linear transformations. From the notations used to define the application of algorithms to the implementation of algorithms in code, it is a critical framework for the field of machine learning. Even though linear algebra is fundamental to machine learning, the close relationship is often ignored or clarified using abstract terms like vector spaces or specific matrix operations. The analysis of vector spaces, lines and planes, and mappings used in linear transformations is known as linear algebra.

Following are the areas where linear algebra is used:
1. Dataset and Data Files
2. Images and Photographs
3. One-Hot Encoding
4. Linear Regression
5. Regularization
6. Principal Component Analysis
7. Singular-Value Decomposition
8. Latent Semantic Analysis
9. Recommender Systems
10. Deep Learning

Probability in AI

Information theory measures the disturbance (or ambiguity) in a probability distribution, while probability theory helps one to make uncertain claims and reason in the face of uncertainty. Machine learning, in particular the branch of artificial intelligence concerned with predicting outcomes and making decisions, incorporates probability theory. Softmax functions are used in computer science to restrict the outcome of functions to a value between 0 and 1. These functions, also known as squashing functions, are useful in the process of assigning a probability value to outcomes in an algorithm. These functions allocate values to the neural

network that help it make better decisions, and they are often the last step in a neural network function.

Information theory in AI

Information theory is an important discipline that has contributed significantly to deep learning and AI, but it is still unknown to the public. Calculus, probability, and statistics are the fundamental building blocks of deep learning, and information theory is a complex amalgamation of them. Claude Shannon, a mathematician and electrical engineer, first proposed Information Theory in his groundbreaking paper "A Mathematical Theory of Communication" in 1948. Such AI principles derived from information theory or related fields include:

•Concept of encoder-decoder popularly used in Machine Translation.

•RNNs and various other type of models

• Building decision trees on basis of maximum information gain
• Popular cross-entropy loss function
• Viterbi algorithm widely used in NLP and Speech
References:
Basics of linear algebra in Python
Obtainable at: https://qdoc.tips/jason-brownlee-basics-for-linear-algebra-for-machine-learning-discover-the-mathematical-language-of-data-in-python-2018-pdf-free.html?cv=1

6) Debate

Debate

Against: "Artificial Intelligence is a danger to humanity"

Konnichiwa, I am Diksha Gautam from level four. Today in our module 4CI018 Academics skills and Team Based learning workshop, we were assigned to train for a discussion. We were split into four teams of six people

each, and two topics were given, where we were given a debate for and against. And our professor assigned us to teams at random.

Our team's topic was "Artificial Intelligence is a danger to humanity". We were supposed to give a presentation on the given subject. Our professor spun a wheel to determine which team would go first, and our name came up first. What were we thinking? Why were we chosen at first? We conducted research and created a presentation on the topic. We had no idea what to propose or how to present because it was our first time debating on this matter. All my team members did good research, but due to a misunderstanding of the topic, we veered off course. We all were worried about putting our letters into expressions and debating them. But we did it, and overall, it was good.

Artificial intelligence allows computers and machines to imitate the human mind's vision, learning, problem-solving, and decision-making abilities. As we all know, artificial intelligence is highly important in today's world. In this time, artificial intelligence has a range of advantages. Artificial intelligence has proven to be both successful and long-lasting. Machine learning is a form of artificial intelligence that learns on its own. As it digests more data, it reprograms itself to perform the task it was programmed to perform with increasing clarity. Deep structured learning is branch of machine learning which teaches itself to perform a specific task with increasing accuracy even if there is no operator interaction. We have always relied on smartphones, which are artificial intelligence as well. AI has made our lives easier and more effective. AI enables us to complete a wide range of tasks. I did some AI study for a college assignment, and it was a huge amount of knowledge for me to gather.

There are two types of artificial intelligence: strong AI and weak AI.

Weak AI, also known as Narrow AI or Artificial Narrow Intelligence (ANI), is artificial intelligence that has been trained to perform specific tasks. It makes several other incredible software possible, including Apple's Siri and Alexa from Amazon, IBM Watson's Jeopardy big win over human opponents, and

self-driving automobiles are all on the horizon. Strong AI, also known as Artificial General Intelligence (AGI), is artificial intelligence that more closely resembles the independence of the neural network that could fix a myriad of issues and sometimes even choose which ones it needs to fix without human intervention.

AI allows for the completion of complex tasks at a low cost. Without downtime, Ai is accessible around the clock, 365 days a year. AI helps people of all abilities develop their skills. Artificial intelligence (AI) has a broad market scope and can be applied to a wide range of industries. AI, on the other hand, has a range of advantages in today's world. We have the ability to complete all tasks on schedule and efficiently. It does away with human error. Instead of humans, it helps with routine activities, making faster decisions, and taking risks. AI is emotionless; it is untouched by emotions such as exhaustion, boredom, and other negative emotions.

In terms of the other three groups, our opponents presented thorough analysis and argued effectively. We were impressed by their work. Other two participants were well informed of what they were going to present or debate. Their presentation on the issue was excellent. They presented what they were told to, and it was extremely interesting not to pay attention. And that concludes today's lesson.

Arigato!!

References:

Artificial Intelligence (AI)

Obtainable at: https://www.ibm.com/cloud/learn/what-is-artificial-intelligence

7) Professional Organization Report

Introduction

Introduction to Professional Organization

A Professional Organization is a group founded to promote the interests of persons who work in a certain field, to improve that field, and to serve the public good. Most of them are non-profits dedicated to serving their members interests through fostering connection, communication, and innovation.

IEEE (Institute of Electrical and Electronics Engineers)

.

IEEE and its organizational units engage in coordinated public policy activities at the national, regional, and international levels to further the mission and vision of securing the benefits of technology for society's advancement.

Advantages of IEEE membership

Pros of being a member of IEEE are quite extensive here I have listed some:

➢ Access to the world's largest EES professional society.

➢ A wide range of journals are available.

➢ The cost of attending conferences is reduced.

➢ Participation in professional committees is an option.

➢ Global contests.

➢ Develop skills that are 'transferable' to your work.

Disadvantages of IEEE membership

Cons of being a member of IEEE are less compared to its advantages and following are some:

➢ You may not always have access to the exact journal article you require.

➢ It is not available for free.

➢ It is a bit pricey.

Events to enhance your development

There are different events or groups one could use to support their development as a

student, as a professional or throughout their career. Following are some points that helps one to maximize his professional development.

➢ Hone a Learning Mindset

➢ Examine your decision

➢ Attend training programs

➢ Teach what you know

➢ Gather feedback

➢ Cultivate peer relationship

➢ Take a personal interest in career goals

➢ Create a succession planning program

I have always been fascinated by designing and development, therefore I would like to focus on event I could use to support my development for as a student, as a professional or throughout my career.

As a member of IEEE, I would like to organize and attend an event of web development where we will discuss about the basic concepts of front-end and back-end A front end web developer is someone who uses coding programming languages Such as html, CSS, but also JavaScript to enact website designing. In a web site, a front-end web developer needs designing graphic features which users see and communicate with. The web directory of an app, as well as everything that conveys in between directory and the web application, is referred as back-end development. These kind of web developers, who are in control of server-side application logic and integrating the work done by front-end developers, usually support them. While web design is concerned with how a website looks, front end development is concerned with how that design is deployed on the web. The second event I would organize and attend is one where students interested in UI design and companies that offer internships and hire UI designers could meet and interact in order to share ideas.

Students will become familiar with the industry and its working methods, allowing them to become industry ready.

Conclusion

Professional organization helps one to find the path to its career, link him with his future job to let him know more about the field he would like to work in. IEEE is one of a kind. It has a lot of pros and some cons, as everything has both positive and negative side. In the future, I would like to do volunteering in above mentioned events so I could sharpen my communication skills, gather feedback, teach what I know or what I have learned about the topic and many more.

References

10 Ways to Maximize Your Professional Development

Obtainable at: https://www.inc.com/joel-trammell/10-ways-to-maximize-your-professional-development.html