

**Kombolcha Institute of Technology**

**College of Informatics**

**Department of Software Engineering**

**INDIVIDUAL ASSIGNMENT**

**Name ID Number**

1. Edlawit Beyene …………………………………………….…… 0654/12

Submitted To: Mr.Yohannes

**Past Experience Recap and Future Career Outline**

1. **What would be my expected future career?**

The professional career in my future as a software engineer entails the development of technical skills and personal growth. In the near term, I wish to do extra on programming languages and frameworks, making use of web and app for mobile devices. While I remain informed about what the industry demands and considers important, I am aware of where my attention is drawn. Pursue ways to be genuinely exceptional at these skills; not only will I be a major benefit to my present team, but I will also have prepared myself for numerous levels up.

In the mid-term, I see myself transitioning into roles that involve leveraging AI technologies to solve complex problems. Imagine being a machine learning engineer, creating and deploying AI models to sift through vast amounts of data, uncovering patterns and insights that were previously hidden.

Looking ahead to the long term, beyond my current involvement in AI projects, I envision myself moving into leadership positions where I can have a substantial impact on the direction of AI programs within enterprises. While there could be many different options, I would particularly like to delve into the opportunity of being a CAIO, which involves serving as the leader and ensuring that AI gets implemented properly using development strategies that focus on innovation and competitiveness.

1. **Among the major courses I have taken in your 5 years journey, the three courses that I’m more interested in (passionate about)?**

Initially, I find Artificial Intelligence so interesting because of the way in which it can act as a catalyst for the modernization of various sectors, and the incredible way by which it improves the human ability. I personally have found the discussions about neural networks and natural language processing to be intellectually exciting as these are the areas where I can believe AI will have influence on.

This area of artificial intelligence I chose to excel in was Machine Learning. The stuff I admire most about the algorithms that get machines to be able to learn from data and keep bettering their performance over time is how they work. Whether it is by themselves or the rest of machine learning techniques, from regression to classification to the clustering algorithm I find joy when I am applying all this to solve problems.

A Web Design is something that I have been following quite passionately which grants me with that aspiration for creativity and technical aspects. From navigating the nuances of HTML and CSS to immerse myself in user experience (UX) and user interface (UI) design, displaying well-designed websites with an emphasis on user friendliness is a critical goal. The power to enhance aesthetics is something that happens to be my biggest likes; due to which giving form to digital skills that have a smooth performance is what I excel at.

1. **Having the courses prioritized in question ii, how will each course help me better equip my expected future career?**

Among the importance of the courses selected every one of those course aims at making me ready for a software engineering role which I consider my future career plan.

Artificial Intelligence (AI) is going to play an essential part in my career development plan, not least because I am eyeing out positions that can be filled with the deployment and the application of AI solutions. In becoming proficient in the notion and tools of AI, I will be ready to undertake difficult problems and generating innovative solutions as well.

AI also involves machine learning which is its subcategory and it is another skill I am gaining from it which gives me the ability to create and control artificial intelligence models. Comprehending the machine learning algorithms and methods will arm me with the equipment to develop forecast models, analyze data and to spew out meaningful conclusions. This competence is indispensable to my mid-career-ambitions and will thus be the foundation for my success as I take up positions where my role would be to harness AI technologies in solving real issues.

Web Design, although seemingly distinct from AI and machine learning, is also an important skill in my future career apart from AI and machine learning. Mastery of web design principles such as ease of use together with creation of user-friendly interfaces for web and mobile applications, web developers can able to create a non-violent and smooth communication of AI insights in the process of enhancing the overall user experience. All these skills not only help me manage present projects but also serve me in the future as I climb into management level positions, thus I, effectively deliver the AI strategies communication and implementation, to ensure success of integration of AI with organizations.

1. **A professional acknowledgment/thanks email for one of the instructors who taught among the courses I selected in question iii :**

**Subject:**Thank you!

Dear Mr. Eyuel,

I hope this email finds you well. I wanted to take a moment to express my heartfelt gratitude for your exceptional instruction during the Web Design course. The combined knowledge and skills that you exhibit in the lecture, which also include the simplicity in conveying complex concepts made me understand a lot and I also feel more proficient in web design. The way that you were very articulate, using illustrative examples and putting across the concepts so cleverly in addition to the activities that were highly practical, did not only helped me to appreciate the issue at hand but also gave me the incentive to exude confidence and harness my creativity.

Moreover, I appreciate your unwavering support and encouragement throughout the course. Your willingness to address questions, provide constructive feedback, and offer guidance whenever needed created a nurturing learning environment that fostered growth and development. As I look back on my academic growth and personal development, I firmly believe that these assets will endure from here on and expand during the entirety of my undergraduate course and any foreseeable career.

Thank you Mr. Eyuel, for your significant education contribution to my excellence. Your inspiration has been the core reason that has driven me all the web design process. I so hope to make use of the knowledge and experience you have imparted to me in the branches I shall take on afterward.

Best regards,

+251-963-152-638

[edlawitbeyene21@gmail.com](mailto:edlawitbeyene21@gmail.com)

1. **Resume showcasing my best profile**

