

# **Study Plan for Bachelor's Degree in Computer Science & Technology**

## **Introduction**

I am Honesty Georges Ngonyani, an aspiring student aiming to pursue a Bachelor's Degree in Computer Science & Technology, commencing in September 2025. My objective is to gain a robust and comprehensive education in Computer Science, Artificial Intelligence and Data Science, which will equip me with the necessary skills and knowledge to make significant contributions to my home country, Tanzania, after graduation.

## **Background**

Born and raised in Kibaha, Tanzania, I graduated my high school studies at a top-tier high school in Tanzania, Kibaha Secondary School in 2024 with an excellent academic record and a strong interest in computing, mathematics and problem solving. Initially, I underestimated the importance of continuous learning, which affected my early academic performance. However, I later realized that past achievements do not guarantee future success and dedicated myself to self-improvement and hard work which led to my high performance in my final exams. I pursued extracurricular activities such as debates, environmental initiatives, and community service, which enhanced my analytical thinking, teamwork, and leadership skills. Additionally, I have gained experience in Python programming, Photoshop, and electronics, further fueling my enthusiasm for computer science.

## **Why Computer Science & Technology?**

Computer Science is at the heart of modern innovation, driving progress in artificial intelligence, cloud computing, and data science. My interest in data science and AI motivates me to explore how computational models and AI can help my country Tanzania in different struggling sectors like education and agriculture. Through this program, I aim to develop expertise in software development, machine learning, and data analysis to contribute to solving real-world challenges in Tanzania.

## **Why Study in China?**

Studying computer science in China will offer me a unique opportunity to immerse myself in a rapidly evolving tech landscape. China is a global leader in technological innovation, particularly in areas like artificial intelligence, 5G, and e-commerce hence it will provide me with access to cutting-edge research and industry connections. Apart from education but also cultural wise I'll have a chance to learn Mandarin and experience Chinese culture which adds a valuable dimension to my education, creating a distinct advantage in the increasingly globalized tech industry.

## **Study Plan and Goals**

During my first year, I plan to build a strong foundation in programming, data structures, and algorithms while improving my proficiency in the Chinese language to enhance communication. In the second year, I aim to specialize in data science and artificial intelligence, gaining hands-on experience through coursework and projects. The third year will focus on applying my knowledge to real-world problems through internships, research projects, and collaborations with industry professionals. In my final year, I intend to work on an impactful research project related to agriculture using AI models, leveraging the knowledge and skills acquired throughout the program.

## **Future Plans**

After completing my Bachelor's degree, I plan to use my expertise to contribute to Tanzania's digital transformation, particularly in education and leveraging AI for agricultural economic development. I am also considering pursuing a Master's degree to deepen my knowledge and explore advanced research opportunities. My long-term goal is to establish a technology-driven enterprise focused on developing AI solutions for agriculture management in Africa.

## **Conclusion**

Studying in China will provide me with an exceptional academic experience, access to world-class research facilities, and a diverse cultural environment. I am eager to learn from distinguished professors, collaborate with international students, and contribute to meaningful projects that drive innovation. I sincerely appreciate the opportunity to be considered for this program and look forward to the journey ahead. Thank you for your time and consideration.

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Thank you for considering my application.

Sincerely,

Honesty Ngonyani.