Personal Statement

I am writing to express my interest in pursuing a Master's degree in Computer Engineering at the University of Dayton. Although I hold an MSc in Control Engineering, my passion for software development and desire to deepen my expertise in this rapidly evolving field have driven me to seek further academic growth. I aim to bridge the gap between engineering principles and digital technologies to enhance my contributions as a web application developer.

As a Web Application Developer at Awash Bank, I have developed robust web applications, managed APIs, and designed solutions that improve operational efficiency. One key project was the Rent Amortization and Follow-Up System, which automated processes, improving accuracy and saving time. Additionally, I contributed to integrating external APIs using WSO2 API Manager, enhancing banking services and user experiences.

The University of Dayton's emphasis on practical applications and research aligns perfectly with my goals. I intend to refine my skills in intelligent algorithms, software architecture, and system optimization—critical areas for my career advancement as a developer.

My academic journey includes dual degrees from Adama Science and Technology University in Electrical Power and Control Engineering and Electronics and Communication Engineering, where I earned awards for outstanding performance. A highlight of my studies was designing a self-balancing two-wheeled robot using Integral Sliding Mode Control (ISMC), demonstrating my ability to solve complex engineering challenges. My programming expertise in languages like Java, PHP, C#, and frameworks such as Spring Boot further supports my ability to succeed in an interdisciplinary environment.

Pursuing this Master's degree is a key step in both my personal growth and my commitment to technological progress in Ethiopia. I hope to use the knowledge I gain at the University of Dayton to address critical challenges in banking, education, and healthcare in my country.

Thank you for considering my application. I am confident that the University of Dayton will provide the academic rigor and global perspective needed to help me excel and make a meaningful impact.

Sincerely,
Lalise Fufi Namera