

## STATEMENT

I, Nilkanth Suthar, am eager to apply for the AI stream in the Master of Applied Computing (MAC) program. My academic background, professional experience, and passion for artificial intelligence makes me a suitable candidate to benefit from this prestigious program.

My academic journey has laid a solid foundation for advanced studies in AI. I hold a Bachelor's degree in Computer Science & Engineering during which, I took courses such as Artificial Intelligence, Machine Learning, Data Analysis & Visualization, Data Mining, and DSA where I consistently achieved top grades. I mastered languages such as Python, Java, JavaScript, and C++ along with various frameworks and libraries. Furthermore, I have accomplished **IBM AI Developer**, **Google Advanced Data Analytics**, and **IBM Data Science** professional certificates from *Coursera*.

In my pre-final year project, I developed a machine learning model for **Character Recognition System** from ground up using CNN. Moreover, I also built an android app called **NFC Tasker** whose corresponding hardware infrastructure could affordably and effectively convert any conventional electrical appliance to an IoT/IIoT device. Apart from these I have built various projects involving ML & NLP such as Sentiment Analysis Pipeline for X, Football Match Predictor, Stock Market Predictor, and Text Summarizer.

I have gained valuable experience after completing various internships over the span of 4 years of my undergraduate period. My final semester internship was at **Reliance Industries Limited (RIL)**- a Fortune 500 company as an Integrated Solutions Architect in January 2024. My role involved developing and deploying machine learning models, working with large datasets, and collaborating with cross-functional teams to drive data-driven decision-making. One notable project involved developing an AI-based **Production Loss Analyzer**. By integrating open-source LLMs such as BERT and LLAMA-2 along with Machine Learning models, I developed a complex system capable of identifying loss-making factors across RIL's entire business spectrum - the first of its kind. My passion for AI extends beyond academics and professional work. I have actively engaged in the AI community through participation in hackathons, workshops, and conferences. In addition to my technical skills and academic achievements, I bring a strong work ethic, a collaborative spirit, and a problem-solving mindset to the table. I am dedicated to contributing to the University of Windsor community by participating in research, sharing knowledge with peers, and engaging in initiatives that promote the advancement of AI.

The AI stream of the MAC program is particularly appealing to me because of its comprehensive curriculum, and emphasis on practical application. The program's blend of theoretical knowledge and hands-on experience aligns perfectly with my career goals. I am especially excited about the opportunity to work on innovative research projects and to collaborate with peers and professors who share my passion for AI. uWindsor's strong industry connections and co-op opportunities offer enticing opportunities for building a professional network in the AI industry. I am confident that this program will provide me with the skills, knowledge, and opportunities needed to achieve my career aspirations and to make meaningful contributions to the field of artificial intelligence.