**Statement of Purpose**

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07/02/2025

With a strong passion for **artificial intelligence and data science**, I am eager to pursue a **Master’s in Computer Science** at **Carnegie Mellon University (CMU)**. My **academic journey at Malla Reddy University** has provided me with a solid foundation in **machine learning, data analytics, and software development**, fueling my enthusiasm for solving complex problems through AI-driven solutions.

My exposure to **machine learning and artificial intelligence** began during my undergraduate studies, where I engaged in research and hands-on projects. One of my most impactful projects involved developing a **Deepfake detection model using machine learning algorithms**, which deepened my understanding of **data preprocessing, neural networks, and AI ethics**. Additionally, my coursework in **algorithms, programming, and statistical modeling** has strengthened my analytical and problem-solving abilities.

Beyond academics, I have gained valuable **industry experience** through my involvement with **Amazon**, where I worked on **real-world AI applications** and learned to navigate complex data-driven environments. These experiences have refined my **technical expertise**, as well as my ability to collaborate in dynamic, interdisciplinary teams.

I am particularly drawn to **Carnegie Mellon University** for its **cutting-edge AI research, world-class faculty, and strong industry collaborations**. The opportunity to work alongside **leading researchers** and participate in **innovative projects** aligns perfectly with my aspirations. I am eager to contribute to CMU’s research initiatives while expanding my knowledge in **deep learning, computer vision, and AI ethics**.

Looking ahead, my goal is to **develop AI-driven solutions** that address real-world challenges, particularly in the fields of **healthcare, cybersecurity, and automation**. I believe CMU’s **rigorous curriculum, state-of-the-art facilities, and collaborative learning environment** will provide the ideal platform to achieve this vision.

I am excited about the possibility of joining **Carnegie Mellon University** and look forward to the opportunity to contribute to its **legacy of innovation**.

**Thank you for your time and consideration.**

**Sincerely,**  
**Golla Prashanth**