



Statement of Purpose

My name is Rishi Ranjan, a third-year Computer Science student at Noida Institute of Engineering and Technology, Greater Noida, India. I've always been fascinated by tech—coding in Python and Java, playing with TensorFlow and Docker, and lately, diving deep into Machine Learning and Generative AI.

My vision is simple yet bold: I want to use AI to solve real problems—like catching cancer early or spotting deepfakes—and make a dent in the world. The GCF at NTU feels like the perfect step to get there. I've got around 8 CGPA and some wins I'm proud of: 3rd place in a campus coding contest, over 500 problems cracked on LeetCode, and 15 projects built from scratch.

Developed a cancer detection tool hitting 91% accuracy with VGG16, a deepfake detector with blockchain security (I'm writing a paper on it!), and Student Vikash, an AI helper for students. I've also interned with AICTE and Google, getting hands-on with tools like OpenCV, and I lead tech events at GDG(Google Developers Group) -NIET to inspire others.

But it's the future that drives me. I see myself as an AI innovator, blending math and code to create solutions that matter. GCF's mentorship from top-notch faculty, Singapore's tech vibe, and the chance to present at the symposium That's gold for someone like me. I want to soak up new skills, connect with brilliant minds, and bring my ideas to life at NTU's amazing campus. This fellowship isn't just about learning—it's about growing into the researcher I want to be.

I'm excited to collaborate, dream big, and turn my passion into impact. Thanks for considering me—I'd love to make this journey with GCF!

sincerely,

Rishi Ranjan

