Motivation Letter

Name: Arushi Kumari
Program Applied For: Bachelor's in Artificial Intelligence Engineering
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Dear Admissions Committee,

From my childhood days in Patna, I learned to see engineering not in machines, but in motion — in the ceiling fans I tried to repair, the motors I took apart, and the questions I asked myself: how does it all work, and can it work better? My Diploma in Mechanical Engineering gave me the foundational toolkit to answer those questions but also an even larger curiosity about intelligent systems, the point where design meets decision-making.

This curiosity about systems where creation meets cognition motivates me to study Artificial Intelligence Engineering. I have pursued both ends: in 3D modeling and CAD/CAM projects on one hand and AI-based automation systems on the other. I have designed an AI chatbot assistant, a robotic arm simulation, and a computer vision object tracker. Mechanical precision, I learned, becomes truly powerful when one overrides it with intelligent systems.

My internship at NCC Limited, and specifically the work I did for my solar-powered water system project, helped shape my engineering social responsibility for the first time. I learned there, and through my other projects, that serving people is the essence of innovation. This is the spirit that drives me to design smart automation at a reasonable cost to empower, not replace, people in small scale industries and rural automation systems.

The combination of your university's interdisciplinary environment and research driven education, is where the impact of ideas cross the boundaries of the classroom. I look forward to the opportunity of working alongside and learning from others on artificial intelligence integrated manufacturing and intelligent robotics and designing systems that improve functional performance and sustainability.

As part of my future plans, I want to start a community innovation lab in India and guide students from underprivileged backgrounds. I want them to have the same tools and inspiration that I have had access to. I wish for my education abroad to become the first step to creating opportunities for others.

Thank you for your consideration for this application. I believe your university is the place where I will be able to turn my curiosity into something tangible, and my goal into something of value.

Sincerely,
Arushi Kumari