

Statement of Purpose

Name: Arushi Kumari

Program Applied For: Bachelor's in Artificial Intelligence Engineering

Current Qualification: Diploma in Mechanical Engineering

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When I designed my first mechanical part in AutoCAD, I understood that engineering is about solving problems, and not just about machines. While undergoing my Diploma in Mechanical Engineering, I wondered about the “intelligent” part of machines, how they think, and how they adapt and function efficiently. This curiosity has transformed into a definite goal - to study Artificial Intelligence Engineering and develop breakthrough innovations that combine smart automation with designed perfection.

During my diploma studies I got mechanical and digital innovation experience. I worked in diverse interdisciplinary projects which included development of an AI chatbot assistant, building a virtual robotic arm simulation, and an AI- powered image classifier using Python. In addition, I understood the link between digital design and physical production through my CAD and CAM experience in AutoCAD and Fusion 360. My internship in NCC Limited provided me with valuable insight into engineering systems, collaboration, and the discipline of working on professional projects.

My goal is to become an engineer who designs more intelligent and eco-friendlier systems. The areas of greatest interest are the fusion of creativity and computation in AI robotics, smart systems design, and automation. I aim to study AI, robotics, and the various integrations of AI with the mechanical systems to prepare myself for the opportunity to be involved in pioneering influential innovations.

Having come from a humble background, I have always had aspirations despite the limited opportunities. Every obstacle I experienced ignited my motivation to utilize education to empower others. To the best of my ability, I have tried to give back by teaching local children and peers with limited resources my skills in technology. For me, education is of little worth unless it is used to uplift others.

Your university's emphasis on research, creativity, and collaboration would, in my opinion, provide a great context for me to develop as an engineer and innovator. I have the mechanical systems foundation and an interest in artificial intelligence to render the versatility that I aspire. That is why I believe I will make a valuable contribution to the university as a member of the academic community.

The pursuit of my studies at a foreign university is largely brought with the hope of increased opportunity for personal development and acquisition of a network of people with similar zeal for quest and contribution. I plan to undertake AI research focused on technology for improving the quality of life, especially for the smart technology deserts of developing countries, like my hometown in India.

This degree, for me, is not a step for a career, but a way to mathematically bridge the mechanical portion of my education to my dream: a time when machines do not just perform, but also understand.

Sincerely,

Arushi Kumari