Dhruv Suri

I am a third year Aeronautical Engineering student at the Manipal Institute of Technology, India. Almost everything around me piques my interest, and I have always tried to apply what I learn to better something around me.

Sustainable energy engineering has been my area of interest since high school, and I have applied my ever-increasing knowledge of aeronautical engineering in developing non-conventional, efficient wind energy rotor systems. For the past two semesters, I have been working on the design and computational analysis of an airborne wind energy generator which harvests wind power for higher altitudes. The development of this system also includes the analysis of swept back blades which further increase the power output of the aerial turbine. I have also worked as a research intern at the Vinca Institute of Nuclear Sciences in Serbia and developed potent knowledge in computational fluid dynamics.

While the aeronautical engineer in me looks to solve problems related to computational fluid dynamics and the finite element method, I have always taken up challenges to make our world a more sustainable place to live. I worked on an initiative which documented the vaccines administered to children in low socio-economic neighborhoods through digital tags given to mothers and infants. Helping the local community is delightful, and I am always keen on ensuring equity is prevalent in all strata of society.

I love learning new things and interacting with people of different backgrounds and ideas. I feel there's always something new to learn from someone, and picking up new cultural insights is terrific. I'm really looking forward to my three week trip to New Zealand, and I hope I can give as much as I take back!