

Omkar Halbe holds a Bachelor of Technology degree in electronics engineering from the University of Mumbai. His persistent interests in control systems, power systems and mechatronics coupled with a desire to model complex systems motivated him to pursue a Master of Engineering degree in Systems Engineering at Cornell University. He is currently working on his master project with the Carrier Corporation R&D department on innovative fuel saving solutions for hybrid refrigeration truck-trailer units.

Prior to joining Cornell, Omkar interned at Continental Automotive (Siemens VDO) in Germany where he was primarily responsible for the integration of prototype electronic Automatic Cruise Control (ACC) systems in Volkswagen and Mercedes vehicles. In 2007, he interned at IMA Automation in Germany and Beckhoff Automation in India where he worked on the design and implementation of efficient algorithms, logic controllers and remote networking for automated applications. As part of his bachelor project, Omkar and his colleagues developed a commercially viable prototype wireless electronic automatic branch exchange using microcontrollers and wireless circuits operating in the license exempt ISM band.

Upon graduation, Omkar intends to utilize his electrical and systems engineering knowledge for efficient multidisciplinary projects and product development. Omkar is presently serving as the President of the International Council on Systems Engineering (INCOSE) – Cornell Chapter. He loves playing soccer and has a deep interest in spirituality and philosophy; all of which have helped him live life to the hilt.