

ABHISHEK BAMOTRA

abamotra@andrew.cmu.edu ♦ 412-692-1807 ♦ linkedin.com/in/abamotra ♦ cv.abhib.com

EDUCATION

Carnegie Mellon University, Pittsburgh, PA	Dec 2020
Master of Science in Computational Design and Manufacturing	GPA 4.0/4.0
♦ <i>Intermediate Deep Learning</i> ♦ <i>Robot Localization & Mapping</i> ♦ <i>ML for Large Dataset</i> ♦ <i>Computer Vision</i>	
Thapar Institute of Engineering & Technology, India	Jun 2019
Bachelor of Engineering in Mechatronics Engineering	GPA 9.09/10.0
♦ <i>Robotics Engineering</i> ♦ <i>Industrial Automation</i> ♦ <i>Digital Signal Processing</i> ♦ <i>Machine Design</i>	

WORK EXPERIENCE

Research Fellow , Computational Engineering and Robotics Laboratory, CMU	Jan 2020 - Present
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Teaching Assistant , Machine Learning & Artificial Intelligence for Engineers (24-787), CMU	Aug 2020 - Present
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ML Stack: Python (OpenCV), Apache Spark, SQL, TensorFlow, PyTorch, PCL, Amazon web services, Microsoft Azure

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PATENTS & PUBLICATIONS

Kirigami-Inspired soft end-effector with layer jamming for stiffness control (Patent)	Under review
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Basic: Java, OpenAI Gym, NI Multisim, ROS, Keil, R

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Grippers *G. Ponraj, A.V. Prituja, Abhishek Bamotra, Zhu G., H. Ren, et al.*
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