

# Utsav Sadana

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CONTACT INFORMATION	Room 4454, GERAD Pavillon André Aisenstadt University of Montréal	email: utsav.sadana@hec.ca webpage: <a href="https://utsav19.github.io/">https://utsav19.github.io/</a> Phone: +1-514 814-7508
RESEARCH INTERESTS	<i>Theory:</i> Optimal Control, Game theory, Robust Optimization <i>Applications:</i> Security, Regulations, Pricing	
EDUCATION	<b>HEC Montréal, Canada</b>  Ph.D., Management Science, August 2017–Present <ul style="list-style-type: none"><li>• CGPA: 4.15/4.3</li><li>• Thesis Topic: Essays on Impulse Control Dynamic Games</li><li>• Adviser: Professor Georges Zaccour</li></ul> <b>Indian Institute of Technology (IIT) Kanpur, India</b>  BT-MS Dual Degree, May 2017  M.S., Economics <ul style="list-style-type: none"><li>• CGPA: 9.2/10</li><li>• Thesis Topic: Empirical Analysis of Corruption in the Judiciary of Bangladesh</li><li>• Adviser: Dr. Debayan Pakrashi</li></ul> B.Tech., Materials Science and Engineering <ul style="list-style-type: none"><li>• CGPA: 8.5/10</li><li>• Passed with Distinction</li></ul>	
CONFERENCE PRESENTATION	M. Rudnianski, <b>U. Sadana</b> , and H. Bestougeff. Bayesian Networks and Games of Deterrence. <i>European Meeting on Game Theory, and Game Theory and Management SING11-GTM2015</i> held at Saint Petersburg, Russia, July 2015	
BOOK CHAPTER	M. Rudnianski, <b>U. Sadana</b> , and H. Bestougeff (2016). Bayesian Networks and Games of Deterrence. In L.A. Petrosyan and V.V. Mazalov, editors, <i>Recent Advances in Game Theory and Applications: European Meeting on Game Theory, Saint Petersburg, Russia, 2015, and Networking Games and Management, Petrozavodsk, Russia, 2015</i> , pages 201–224. Springer International Publishing, Cham.	
WORK IN PROGRESS	“Can Randomization help in reducing the worst case Conditional Value at Risk (CVaR) in a Distributionally Robust game?” with Dr. Erick Delage “Are regulatory decisions impulsive” with Professor Georges Zaccour	
AWARDS AND HONORS	<ul style="list-style-type: none"><li>• J.A. DeSève Admission Scholarship, HEC Montréal (10,000\$/year) <i>2017-2021</i></li><li>• Research Grant, GERAD, Montréal (10,000\$/year) <i>2017-2021</i></li><li>• Graduate Research Award, MHRD, India (INR 150,000) <i>2016-2017</i></li><li>• Merit-cum-Means Scholarship, IIT Kanpur, India (INR 60,000/year) <i>2013-2015</i></li><li>• 2-month Research Grant, ORT France, Paris (€2500) <i>2015</i></li><li>• Secured 3<sup>rd</sup> position amongst 90 teams in Manthan National Youth Competition <i>2013</i></li><li>• Ranked in the top 0.8 percent among 1.2 million applicants in AIEEE <i>2012</i></li></ul>	

WORK EXPERIENCE	<b>Summer Intern at ORT France, Paris, France</b> <i>Innovation and Development</i> <ul style="list-style-type: none"> <li>Developed inference schemes for the EU-FP7 research project LEILA and contributed to the deliverable D3.4, thereby providing a novel and tractable framework of inference for intelligence analysts . The technical report can be found <a href="#">here</a></li> </ul>	<i>April 2015 - July 2015</i>
SOCIALLY RELEVANT PROJECT	<b>Inclusive Development of Informal Sector Workers</b> <i>Citizens for Accountable Governance (CAG)</i> <ul style="list-style-type: none"> <li>Rigorously assessed the prevalent social welfare schemes in terms of their reach, effectiveness and expenditure; and performed stakeholder analysis for upliftment of unorganized labor in India</li> <li>Proposed structural layout for registration and grievance redressal of Informal Sector workers. The presentation can be found <a href="#">here</a></li> </ul>	<i>May 2013 - November 2013</i>
TECHNICAL SKILLS	<ul style="list-style-type: none"> <li><b>Programming Languages</b> MATLAB, C, STATA, Python, Octave</li> <li><b>Other Tools</b> L<sup>A</sup>T<sub>E</sub>X, YALMIP, Microsoft Office</li> </ul>	
POSITIONS OF RESPONSIBILITY	<b>Student Guide</b> <i>Counselling Service, IIT Kanpur</i> <ul style="list-style-type: none"> <li>Mentored and guided 6 freshmen in adjusting to the academic, cultural, and social life of the campus.</li> </ul>	<i>July 2013 - April 2014</i>
	<b>Editorial Board Member</b> <i>Nirvaak, Campus Newsletter, IIT Kanpur</i> <ul style="list-style-type: none"> <li>Collaborated with a team of 10 students and spearheaded the publishing of the first campus newsletter, <i>Nirvaak</i>, that addresses the critical sociopolitical issues faced by the campus community</li> </ul>	<i>July 2013 - April 2014</i>
REFERENCES	<p>Professor Georges Zaccour  Chair in Game Theory and Management  GERAD, HEC Montréal,  Montréal H3T 2A7, Quebec, Canada  email: <a href="mailto:georges.zaccour@hec.ca">georges.zaccour@hec.ca</a>  phone: +1 514 340-6430</p> <p>Professor Michèle Breton  GERAD, HEC Montréal,  Montréal H3T 2A7, Quebec, Canada  email: <a href="mailto:michele.breton@hec.ca">michele.breton@hec.ca</a>  phone: +1 514 340-6490</p> <p>Professor Michel Rudnianski  Scientific Director, ORT France  24 Rue Erlanger, ORT France,  Paris 75016  email: <a href="mailto:michel.rudnianski@wanadoo.fr">michel.rudnianski@wanadoo.fr</a>  phone: +33 686 680-136</p>	