

## Education

- **Montreal Institute for Learning Algorithms (MILA)** Montreal, Canada  
*PhD in Machine Learning, supervised by Aaron Courville* Fall 2017 - Present
- **Indian Institute of Technology, Kharagpur** Kharagpur, India  
*Integrated M.Sc. in Mathematics and Computing* 2011 - 2016

## Publications

- **Blindfold Baselines for Embodied QA** ([arxiv](#))  
*Ankesh Anand, Eugene Belilovsky, Kyle Kastner, Hugo Larochelle, Aaron Courville*  
ViGIL Workshop at Neural Information Processing Systems (NeurIPS), 2018
- **HoME: a Household Multimodal Environment** ([arxiv](#))  
*Simon Brodeur, Ethan Perez\*, Ankesh Anand\*, Florian Golemo\*, Luca Celotti, Florian Strub, Jean Rouat, Hugo Larochelle, Aaron Courville*  
International Conference on Learning Representations (ICLR) Workshop Track, 2018
- **We used Neural Networks to Detect Clickbaits: You won't believe what happened Next!** ([arxiv](#))  
*Ankesh Anand, Tanmoy Chakraborty, Noseong Park*  
European Conference on Information Retrieval (ECIR), 2017
- **MMGAN: Manifold Matching Generative Adversarial Networks** ([arxiv](#))  
*Noseong Park, Ankesh Anand, Joel Ruben Antony Moniz, Kookjin Lee, Tanmoy Chakraborty, Jaegul Choo, Hongkyu Park, Youngmin Kim*  
International Conference on Pattern Recognition (ICPR), 2018

## Work Experience

- **VISA Inc.** Bangalore, India  
*Software Engineer* August 2016-August 2017
  - Full stack development for the VISA Developer Platform
- **HackerEarth** Bangalore, India  
*Backend Engineering Intern* May-July 2015
  - Developed a new problem recommendation engine for HackerEarth, built resume parsing services and a real-time notification system for end-users.
- **Google Summer of Code** Remote  
*Student Developer* May-August 2015
  - Built an online analytics platform for BRL-CAD which provides aggregated analytics for logs and performance metrics collected across different machines and platforms.
- **Max Planck Institute for Software Systems** Kaiserslautern, Germany  
*Visiting Scholar, Large Scale Internet Systems Group* May-July 2014

- Worked with an incubated startup named AirCloak to build tools for anonymized aggregated analytics using noise augmentation and selective filtering.

## Projects

- **Meta-Learning Hierarchical Policies with FiLM**

*Advisors: Prof. Aaron Courville, Hugo Larochelle*

- Developed a hierarchical reinforcement learning architecture that learns to generalize across multiple tasks.
- Preliminary experimental results show that hierarchical policies modulated with FiLM can be used to quickly adapt to new tasks on grid world tasks.

- **Intrinsically motivated exploration via uncertainty-aware models**

*Advisors: Prof. Aaron Courville, Hugo Larochelle*

- Developed a novel exploration method that guides an agent's towards regions that lead to most reduction in it's model uncertainty
- Preliminary results on delayed Mujoco tasks show that such an exploration bonus can outperform baselines and explore faster.

## Honors and Awards

- **Hult Prize, 2015:** Regional Finalist at the Hult Prize 2015 in Dubai: the worlds largest student competition for social entrepreneurship
- **Penn Apps, 2016:** Finalist at PennApps Spring 2016, America's largest collegiate hackathon.
- **Inter IIT Tech Meet, 2015:** Winner of the OpenSoft contest for developing an Android app that makes Information accessible to areas with low connectivity using Wifi P2P networks .
- **Scholarships:** Recipient of the NTSE (National Talent Search Examination) scholarship (2009-11) awarded by NCERT, India and the INSPIRE Scholarship (2012-16) awarded by the Department of Science and Technology India.

## Technical Skills

- **Programming Languages:**

- **Proficient:** Python, JavaScript, C++
- **Intermediate:** Java, MATLAB

- **Machine Learning Libraries:** PyTorch, TensorFlow, scikit-learn, numpy, Pandas

- **Web Development:** Django, Flask, NodeJS, ReactJS, HTML5, CSS3, MySQL