Akshit Arora

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EDUCATION

- **University of Colorado** — Boulder, CO
  Master of Science in Computer Science (Specialization: Artificial Intelligence) — Aug. 2017 – Present
- **Thapar University** — Patiala, India
  Bachelor of Engineering in Computer Engineering; GPA: 3.67 (Major), 3.37 (Overall) — Aug. 2013 – Jul. 2017

PROGRAMMING SKILLS

- **Languages**: Python, C++, SQL, PHP, C#   **Technologies**: Tensorflow, Unity 3D, Vuforia, Bootstrap
- **Graduate Courses**: Neural Networks & Deep Learning; Design & Analysis of Algorithms

EXPERIENCE

- **University of Colorado** — Boulder, CO
  Grader and Teaching Assistant at the Department of Computer Science — Aug 2017 - Present
  - **Teaching Assistant - The Art of Computational Thinking**: An introductory course on python with more than 200 students enrolled. Responsible for conducting lab sessions, holding office hours and prepare assignments.
  - **Grader - Human-Centered Computing Foundations**: An introduction to current practices and research in human-centered computing with more than 150 students enrolled. Involved in grading assignments.
- **Indian Institute of Technology (IIT), Mandi** — Himachal Pradesh, India
  Research Intern at the Applied Cognitive Science Lab — Jun 2014 - Jul 2017
  - **Interactive Landslide Simulator (ILS)**: A web-based research tool to balance public risk perceptions and how people at risk could adapt to and mitigate the landslides in their neighbourhood. http://pratik.acslab.org/
  - **Marker-based and GPS-based Augmented Reality (AR)**: A tool for training military personnel in different cognitive loads. Responsible for making AR simulations similar to scavenger hunt and first-person-shooter games.
  - **Monitoring physiological sensors in real-time**: Integrated sensors for measuring blood pressure, galvanic skin response, heart rate and respiration (by NeuLog) to the AR simulations for military personnel.

PROJECTS AND PUBLICATIONS

- **Intelligent Virtual Assistant**: (Ongoing) A chat-bot for motivation quotes on facebook's messenger.
  Using: Tensorflow, api.ai, Python
- **Student Evaluation Portal**: A tool to track and evaluate student's performance over 6 months training period.
  Using: CodeIgniter, Google Analytics, MySQL, KAdmin; Worked in a team of 4; Link: goo.gl/zZuCTv
- **Learning in an Interactive Simulation Tool against Landslide Risks: The Role of Amount and Availability of Experiential Feedback**: Chaturvedi P, **Arora A**, Dutt V. Natural Hazards and Earth System Sciences. 10.5194/nhess-2017-297. Sep 2017. **Journal Paper**.
- **Interactive Landslide Simulator: A Tool for Landslide Risk Assessment and Communication**: Chaturvedi P, **Arora A**, Dutt V. Advances in Applied Digital Human Modeling and Simulation (Springer Books). 481: 231-243. Jul 2016. **Book Chapter**.
- **Interactive landslide simulator: A tool for landslide risk and damage assessment.** : Chaturvedi P, **Arora A** and Dutt V. Applied Human Factors and Ergonomics, Orlando, Florida, USA. Jul 2016. **Oral Presentation**.
- **Ph.D. records management**: Manage information (like %Ph.D. completion, publications, etc) of Ph.D. students.
  Using: Bootstrap, PHP, MySQL; Worked in a team of 3; Link: goo.gl/Rt2zXt

LEADERSHIP ACTIVITIES AND AWARDS

- **Travel Fellowship Award**: by Thapar University and IIT Mandi; for presenting 3 research papers at 7th International Conference on Applied Human Factors and Ergonomics.
- **Co-Convener - International Forum for Leadership and Sustainability**: Organized awareness campaigns, quiz events, dog vaccination camps and creativity competitions for underprivileged students.
- **Photography Events**: Organized photo-walks in IIT Mandi and Thapar University. Encouraged different types of photography. Regularly update photos at 500px. (Link: 500px.com/akshitarora)