HAROUN HABEEB

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EDUCATION

University of Illinois at Urbana-Champaign   2019

M.S. (with Thesis) in Computer Science

Indian Institute of Technology, Delhi   2017

B. Tech in Computer Science and Engineering (Concentration in Artificial Intelligence)   GPA: 9.2/10

PUBLICATIONS

Coarse-to-Fine Lifted MAP Infernce for Computer Vision (link)   2017

- Published (1st author) in IJCAI 2017 under supervision of Dr. Mausam and Dr. Parag Singla
- Created notions of symmetry to achieve 60% speedups in MAP inference on MRF

INTERNSHIPS

Summer Analyst, Deutsche Bank Centre, Mumbai   Summer 2016

- Analysed behavior of correlation between asynchronous equities using SVMs, regression.
- Developed backtesting tools for asynchronous correlation based instruments.

SCHOLASTIC ACHIEVEMENTS

- Received **Merit Scholarship** for Top 7% GPA in a class of 100 for 2 semesters   2016
- Received **Summer Undergraduate Research Award** for Point Location in 3D Subdivisions.   2015
- Campus runner-up in **Philips Blueprint** business plan competition   2014
- Secured **All India Rank 61** among 1,400,000 students in the Joint Entrance Exam, IIT-JEE   2013
- Received **Gold Medal** and Certificate of Merit (top 35) at INPhO, National Olympiad   2012
- Received **KVPY Fellowship** and **NTSE Scholarship** from Govt. of India   2011,2009

TECHNICAL PROJECTS

Goal Oriented Conversational Agent with Database in the Loop (link, course project)   Spring 2017

- Built memory networks for goal oriented dialog systems with templatized output space.

Parallelized Sudoku Solver (link, course project)   Spring 2016

- Implemented parallelized versions of brute force solver, A* search using C, OpenMP.

Game Playing AI - Quoridor (link, course project)   Spring 2015

- Implemented a Quoridor player in C++ which uses MCTS and RL.

3D Peer to Peer Multiplayer Game (link, course project)   Spring 2015

- Developed 3D P2P racing-FPS game featuring AI and robust network using UDP.

EXTRA CURRICULAR ACTIVITIES

Chief Editor, Board for Student Publications, IIT Delhi (Received Best Chief Editor Award)   2015-16

Vice Chair, ACES-ACM, Official Chapter of ACM at IIT-Delhi   2015-16

Debating (National; Member of **Advisory Panel** for the Debating Society, IIT Delhi)   2013-17

- **Invited adjudicator**, N.V. Thadani Memorial. **Best Adjudicator**, Manzar. **Winner**, Clash of Titans. Received **Outstanding Contributions** to Debating Society, IIT Delhi Award.

TECHNICAL SKILLS

Languages: Python, C/C++, MATLAB, R, Java, SML.   **Libraries:** Mallet, OpenGM, Tensorflow, CGAL, boost