Ankit Goyal

PhD Student, CS, Princeton University
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Research Interests

Deep Learning

Computer Vision

Natural Language Processing

Publications

A Goyal, J Wang, J Deng, **"Think Visually: Question Answering through Virtual Imagery"**, *Annual Meeting of the Association of Computational Linguistics (ACL) 2018*

C Gupta, AS Suggala, **A Goyal**, HV Simhadri, B Paranjape, A Kumar, S Goyal, R Udupa, M Varma, P Jain, **"ProtoNN: Compressed and accurate kNN for resource-scarce devices"**, *International Conference in Machine Learning (ICML) 2017*

A Goyal, N Kumar, T Guha, SS Narayanan, **"A multimodal mixture-of-experts model for dynamic emotion prediction in movies"**, *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP) 2016*

NK Verma, **A Goyal**, AH Vardhan, RK Sevakula and A Salour, **"Object matching using speeded up robust features"**, *Asia Pacific Symposium on Intelligent and Evolutionary Systems (IES) 2015*

NK Verma, **A Goyal**, A Chaman, RK Sevakula and A Salour, **"Template matching for inventory management using fuzzy histogram and spatial filters"**, *IEEE Conference on Industrial Electronics and Applications (ICIEA) 2015*

Education

Sept. '18 - Present	**Ph.D. Program in Computer Science**, *Princeton University*.
Sept. '16 - April '18	**M.S.E in Computer Science and Engineering**, *University of Michigan*. Track - Artificial Intelligence, **GPA - 3.97/4.0**
July '12 - April '16	**B.Tech. in Electrical Engineering**, *Indian Institute of Technology Kanpur*. Minor in Computer Science, **CPI - 9.8/10.0**
April '12	**Senior School Certificate Examination**, *Delhi Public School, Bokaro, India*. Scored 96.2% marks in XII AISSCE
April '10	**Secondary School Certificate Examination**, *D.A.V. Public School, Asansol, India*. CGPA - 9.6 in X AISSE

Work Experience

Fall '18	**Princeton University** *Graduate Student Research Assistant*

o Mentor: Prof. Jia Deng

Fall '18 **Princeton University**

Graduate Student Instructor

o COS429: Computer Vision
o Course Instructor: Prof. Jia Deng

Fall '16 **University of Michigan**

Summer '18 *Graduate Student Research Assistant*

o Visual Thinking and Planning
o Mentor: Prof. Jia Deng

Winter '17 **University of Michigan**

Winter '18 *Graduate Student Instructor*

o EECS442: Computer Vision
o Course Instructor: Prof. Jia Deng

Summer '16 **Microsoft Research, Bangalore, India**

Research Intern

o Machine learning algorithms for memory constrained IoT settings
o Mentor: Dr. Pratik Jain

Summer '15 **University of Southern California, Los Angeles, CA**

Research Intern

o A multimodal mixture-of-experts model for dynamic emotion prediction in movies
o Mentor: Prof. Shrikanth S. Narayanan

Fall '14 **Intelligent Informatics Lab, IIT Kanpur, India**

Student Research Associate

o Autonomous inventory management systems
o Mentor: Prof. Nishchal Verma

Awards and Achievements

– Awarded **Sridhar Memorial Prize** for **best student in final year Electrical Engineering**, IIT Kanpur.
– Received **Academic Excellence Award** thrice at IIT Kanpur for distinctive academic performance in the terms **2012-13**, **2013-14** and **2014-2015**.
– Secured **Top 0.01%** in IIT JEE-2012 among 0.5 million students.
– Secured **Top 0.006%** in AIEEE-2012 among 1.2 million students.
– Secured a position in **top 1%** in C.B.S.E. Senior Secondary Board Examination.