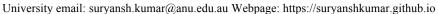
SURYANSH KUMAR

Mailing Address: Office: B332, Building 115, College of Engineering and Computer Science. RSISE, ANU, ACT 2601 Canberra, Australia.





EDUCATION

• The Australian National University, Canberra.

Supervisors: Dr. Yuchao Dai, Prof. Richard Hartley.

PhD in Engineering and Computer Science, Sept 2015- Present.

Chair of Panel: Prof. Hongdong Li.

• IIIT-Hyderabad, India.

GPA: 8.71 on 10.0 scale.

Advisor: Prof. K Madhava Krishna.

M.S in Computer Science and Engineering, Aug. 2013.

RESEARCH INTERESTS

• Computer Vision: Structure from Motion, Motion Segmentation.

- **Robot Vision:** Visual SLAM, Mobile Object Tracking & Segmentation.
- Statistical Learning: Convex Optimization, Compressed sensing and Probabilistic Graphical Models.

MAJOR PUBLICATIONS

• Multibody Non-rigid Structure from Motion.

3DV 2016, Stanford University, USA.

Authors: Suryansh Kumar, Yuchao Dai, Hongdong Li.

Markov Random Field based Small Obstacle discovery over Images.
Authors: Survansh Kumar, Siva Karthik M, K. Madhava Krishna.

ICRA 2014, Hong Kong, China.

Professional Experience

Teaching Assistant for Individual Engineering Project Course (ENGN4200)
Course Instructor: Dr. Yuchao Dai.

Semester: Summer 2017(ANU)

Teaching Assistant for Computer Vision Course (ENGN4528/6528)
Course Instructor: Dr. Jonghyuk Kim.

Semester: Summer 2017(ANU)

Course instructor. Dr. Jongnyak Kim.

Certification on Machine Learning offered by Stanford University on Coursera.
Course Instructor: Prof. Andrew Ng.

License Number: FBXH2KPEU44M.

Uurmi Systems Pvt. Limited, Hyderabad.

Project Advisor: Dr. B.S Venkatesh.

Image Understanding Group, Consultant Engineer, July'14 – June'15.

RESEARCH EXPERIENCE

INRIA-Rhône-Alpes Grenoble.

Research Intern, Sept 2013-Feb 2014.

Supervisors: Dr. Dizan Vasquez, Prof. Christian Laugier.

IIIT-Hyderabad.

Research Assistant, July 2011- August 2013.

Supervisor: Prof. K. Madhava Krishna.

IIT-Hyderabad.

Project Associate, July 2010-Dec. 2010.

Supervisor: Dr. P. Rajalakshmi.

AWARDS & ACHIEVEMENTS

- Student funding to attend Robot Vision Summer School 2016, Kiola, Australia.
- Recipient of "Australian National University Higher Degree Research" Merit Scholarship Award.
- Recipient of "Best Innovative Group 2014", by Uurmi Systems Private Limited, India.
- Full-Time Funded Student by "Campus France", for research internship at INRIA, Grenoble-France.
- Full-Time Scholarship Student for MS program in IIIT-Hyderabad, India.
- Winner of "8085 Programming" and "Project Demonstration" contest organized at TITIKSHA 2008, SMVDU, J&K India.

Detailed CV and References available on request.