Swati
https://jswati31.github.io/

Email : swjindal@ucsc.edu
Mobile : +1-831-239-7682

Education

University of California, Santa Cruz
Ph.D. in Computer Science and Engineering — *Sept. 2018 – Present*
Advisor - Professor Roberto Manduchi
Research Interests - Machine learning, Deep learning and Computer Vision

Indian Institute of Technology (IIT), Hyderabad
Masters in Electrical Engineering, GPA : 9.03/10 — *July 2014 – June 2016*
Advisor - Dr. K. Sri Rama Murty

Experience

Researcher, TCS Innovation Labs, New Delhi — *July 2016 - August 2018*
- Worked in Deep learning and it's applications in Computer Vision

Teaching Assistant, Indian Institute of Technology, Hyderabad — *August 2015 - April 2016*
- Probability and Random Processes
- Adaptive Signal Processing

Publications

- Vishwanath D, Rohit Rahul, Gunjan Sehgal, ***Swati***, Arindam Chowdhury, Monika Sharma, Lovekesh Vig, Gautam Shroff, Ashwin Srinivasan, *"Deep Reader: Information extraction from Document images via relation extraction and Natural Language"*, IWRR, **ACCV**, Perth, Australia, December 2018.
- ***Swati***, M. Sharma, Lovekesh Vig, *"Automatic Classification of Low-Resolution Chromosomal Images"*, Bio-Image Computing (BIC), **ECCV**, Munich, Germany, September 2018.
- ***Swati***, M. Sharma, Lovekesh Vig, *"Automatic Chromosome Classification using Deep Attention Based Sequence Learning of Chromosome Bands"*, in the proceedings of **IJCNN**, Brazil, July 2018.
- G. Gupta, ***Swati***, M. Sharma, Lovekesh Vig, *"Information Extraction from Hand-marked Industrial Inspection Sheets"*, CBDAR, **ICDAR**, Kyoto, Japan, November 2017.
- ***Swati***, G. Gupta, M. Yadav, M. Sharma, Lovekesh Vig, *"Siamese Networks For Chromosome Classification"*, Bio-Image Computing (BIC), **ICCV**, Venice, Italy, October 2017.

Patents

- Method and System for Automatic Chromosome Classification (# India - 201821025353).
- Method and System for Extracting Information from Hand-Marked Industrial Inspection Sheets (# India - 201721039681, # US - 15938806).

Programming Skills

- **Languages**: Python, Theano, Keras
- **Tools**: OpenCV, MATLAB, LATEX, familiar with Linux

Relevant Courses

Computer Vision, Machine Learning, Deep Learning, Probability & Random Processes, Digital Image and Video Processing, Analysis of Algorithms, Digital Signal Processing, Adaptive Signal Processing, Detection and Estimation Theory, Information Theory, Applied Bayesian Statistics, Numerical Linear Algebra.

Achievements

- **Outstanding inventive spirit award** for filing multiple patents for TCS Research India.
- Eligible for **UC Dean Fellowship** (amongst 4 students) for Winter and Spring 2019 .
- Received **UC Regent Fellowship** for Fall 2018.
- All India Rank 432 - Top 0.2% (amongst 2,16,000) in GATE-2014.
- All India Rank 8507 - Top 1.2% (amongst 4,70,000) in IIT JEE-2010.