Siddhartha **Gairola**

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Education

International Institute of Information Technology, Hyderabad	*Hyderabad, India*
DUAL DEGREE BTECH AND MS BY RESEARCH IN CSE	*2014 - 2019*

St. Joseph's Academy	*Dehradun, India*
SENIOR SECONDARY, ISC; AVERAGE: **93.6%**	*2012 - 2013*
SECONDARY, ICSE; AVERAGE: **95.28%**	*2010 - 2011*

Experience

Adobe Inc. — *Noida, India*

RESEARCH INTERN — *June 2019 - Present*

- Working as a Research Intern in the **Media and Data Science Research Team** with Balaji K.
- Implemented a Deep Learning model in *Python, Pytorch* to perform **Few shot Guided Segmentation** on images.

IIIT Hyderabad — *Hyderabad, India*

RESEARCH ASSISTANT — *May 2016 - May 2019*

- Worked with Prof. P.J. Narayanan in Computer Vision, Machine Learning and Deep Learning.
- Honours at Center for Visual Information and Technology.

IIIT Hyderabad — *Hyderabad, India*

TEACHING ASSISTANT — *May 2016 - May 2019*

- Teaching Assistant for the following courses - *Digital Logic and Processors, Artificial Intelligence, Digital Image Processing, Computer Vision and Graphics*.
- The duties involved taking regular tutorials, correcting papers, setting up questions for assignments and conducting evaluations.

Google Summer of Code

STUDENT SOFTWARE DEVELOPER — *May 2017 - Aug 2017*

- Got accepted as a developer for Google Summer of Code Program 2017 for the organization Scilab.
- Implemented a *C/C++* wrapper for Matlab MEX-API on current API Scilab.

Google Summer of Code

STUDENT SOFTWARE DEVELOPER — *May 2018 - Aug 2018*

- Got accepted as a developer for Google Summer of Code Program 2018 for a 2nd time, organization Scilab.
- Implemented a DEMO in *C/C++ and Scilab* as a working example for the MEX Library in Scilab.

Publications

Identifying Clickbait: A Multi-Strategy Approach Using Neural Networks

ACM SIGIR 2018

- V Kumar, D Khattar, **S Gairola** , Y Kumar Lal, V Varma (2018), "Identifying Clickbait: A Multi-Strategy Approach Using Neural Networks", **The 41st International ACM SIGIR Conference on Research & Development in Information Retrieval**, Pages 1225-1228.

Find Me a Sky: A Data-Driven Method for Color-Consistent Sky Search and Replacement

MMM 2018

- S Rawat, **S Gairola**, R Shah, PJ Narayanan (2018), "Find Me a Sky: A Data-Driven Method for Color-Consistent Sky Search and Replacement", **International Conference on Multimedia Modeling**, Pages 216-228.

Unsupervised Image Style Embeddings for Retrieval and Recognition Tasks

WACV 2020 (UNDER REVIEW)

- **S Gairola**, R Shah, PJ Narayanan (2019), "Unsupervised Image Style Embeddings for Retrieval and Recognition Tasks", **Winter Conference on Applications of Computer Vision** *(WACV '20)*. (Submitted; this work is currently under review)

Technical Skills

- **Working Knowledge:** GNU/Linux, Bash, C/C++(STL), Python, Matlab, Octave, OpenCV
- **Software & Tools:** HTML, CSS, JS, LaTeX, Excel
- **Deep Learning Frameworks:** PyTorch, TensorFlow, Keras, Caffe
- **Past Experience:** Java, OpenGL, WebGL, Django, Web2py

Awards and Achievements

- **Awarded the Dean's List Award** for 6 semesters straight for being in top 10% of the class in Monsoon 2015, Monsoon 2016, Monsoon 2017, Spring 2016, Spring 2017 & Spring 2018.
- Was a member of the teams **Pendulum** and **GOAT** which qualified for the **ACM ICPC Asia Amritapuri Onsite Regionals** in 2015 and 2016 respectively.