

Swapnil Gandhi

Indian Institute of Science, Bangalore
gandhis@iisc.ac.in • +91 985-030-4736 • <https://swapnilgandhi.com/>

RESEARCH INTERESTS	Distributed temporal-graph processing, leveraging programmable dataplane switches and smart NICs to support data-intensive systems	
EDUCATION	Indian Institute of Science , Bangalore, India	
	<ul style="list-style-type: none">Studying towards Masters in Computer and Data SystemsCumulative GPA: 9.2 / 10.0 (Ranked 1st)	Aug 2017- Present
	Bharati Vidyapeeth , Pune, India	
	<ul style="list-style-type: none">Bachelors in Computer Science and EngineeringGraduated with Department HonorsThesis : Mutation Testing Tool for C Programs	Jul 2010 – Jun 2014
RESEARCH EXPERIENCE	Indian Institute of Science , Bangalore – Prof. Yogesh Simmhan	
	<ul style="list-style-type: none">Design and implementation of distributed temporal graph processing system	Aug 2017 – Present
	TATA Research Development and Design Center , (TRDDC), India	
	<ul style="list-style-type: none">Research Intern – Prasad Bokil, ResearcherDesigned and implemented tool for generating and evaluating quality of structural test cases for C Programs.Co-Supervisors: Ulka Shrotri, R. Venkatesh	Sep 2013 – Apr 2014
PUBLICATIONS	POSTER	
	<ul style="list-style-type: none">[1] <u>S. Gandhi</u>, “Wave : A Substrate for Distributed Incremental Graph Processing on Commodity Clusters”, <i>ACM Student Research Competition (SRC)</i> at 27th Symposium on Operating Systems Principles (SOSP’19), Ontario, Canada, Oct 2019.[2] <u>S. Gandhi</u>, and Y. Simmhan, “From ‘Think Like a Vertex’ to ‘Think Like an Interval’ ”, <i>Young Researcher’s Symposium</i> at ACM India Joint International Conference on Data Science and Management of Data (6th ACM IKDD CoDS and 24th COMAD), Kolkata, India, Jan 2019.[3] <u>S. Gandhi</u>, S. Sarkar, A. Sharma, and Y. Simmhan, “Distributed Querying over Compressed Property Graphs”, <i>Student Research Symposium</i> at 24th IEEE International Conference on High Performance Computing, Data and Analytics (HiPC), Jaipur, India, Dec 2017.	
AWARDS & FELLOWSHIPS	<ul style="list-style-type: none">Received a \$1750 travel scholarship from ACM SIGOPS for attending the 27th ACM Symposium on Operating Systems Principles (SOSP) in Ontario, CanadaWon 12th IEEE International TCSC Scalable Computing (SCALE) Challenge For “Dynamic Scaling of Video Analytics for Wide-area Tracking in Urban Spaces”Best Poster Award, EECS Research Students Symposium, Bangalore, India For “Distributed Processing Model For Temporal Graphs” at the 10th EECS Research Students SymposiumInvited to attend 3rd RIKEN R-CCS HPC Youth Workshop, Kobe, JapanBest Student Research Symposium Poster, HiPC, Jaipur, IndiaDepartment Honors, Bharati Vidyapeeth, Pune, India For outstanding academic performance (Batch 2010 – 2014)TCS Popular Student Project, Bharati Vidyapeeth, Pune, IndiaBest Undergraduate Project Award, TRDDC, Pune, India For “Mutation Testing Tool for C Programs” at TRDDC Annual Students Day	
		Aug 2019
		May 2019
		Apr 2019
		Feb 2019
		Dec 2017
		Jun 2014
		May 2014
		Apr 2014
SERVICE & LEADERSHIP	<ul style="list-style-type: none">Artifact Evaluation Committee (AEC) member for SOSP 2019Treasurer and General Secretary of IISc ACM Student ChapterWeb Chair, Doctoral Symposium ICDCN 2019, Bangalore, India	
		Aug 2019
		Mar 2019 – Present
		Aug 2018
TEACHING & LECTURES	<ul style="list-style-type: none">DS 256: Scalable Systems for Data Science As Teaching Assistant with Prof. Yogesh SimmhanE0 261: Database Management Systems Lecture on Big Data Systems	
		Jan 2019
		Oct 2018

[CV compiled on 2019-09-24]