

Swapnil Gandhi

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RESEARCH INTERESTS	Scalable temporal-graph processing, data-intensive abstraction and systems, approximate computing, self-driving databases	
EDUCATION	Indian Institute of Science , Bangalore, India	
	▪ Studying towards Masters in Computer and Data Systems	Jul 2017 – Present
	• Cumulative GPA: 9.2 / 10.0 (Ranked 1st)	
	Bharati Vidyapeeth , Pune, India	
	▪ Bachelors in Computer Science and Engineering	Jul 2010 – Jun 2014
	• Graduated with Department Honors (Ranked 1st)	
	• Thesis : Mutation Testing Tool for C Programs	
RESEARCH EXPERIENCE	Indian Institute of Science , Bangalore – Prof. Yogesh Simmhan	Jun 2017 – Present
	• Design and implementation of distributed temporal graph processing system	
	TATA Research Development and Design Center , (TRDDC), India	Sep 2013 – Apr 2014
	▪ Research Intern – Prasad Bokil, Researcher	
	• Designed and implemented tool for generating and evaluating quality of structural test cases for C Programs.	
	• Co-Supervisors: Ulka Shrotri, R. Venkatesh	
PUBLICATIONS	POSTER	
	[1] <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.	
	[2] <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	▪ Best Poster Award, EECS Research Students Symposium, Bangalore, India	Apr 2019
	For “Distributed Processing Model For Temporal Graphs” at the 10th EECS Research Students Symposium	
	▪ Selected for attending 3rd RIKEN R-CCS HPC Youth Workshop, Kobe, Japan	Feb 2019
	A highly competitive platform, where a few young researchers from across the world are selected to be mentored by R-CCS staff	
	▪ Best Student Research Symposium Poster, HiPC, Jaipur, India	Dec 2017
	SRS Chair : Prof. Ashok Srinivasan, Prof. Kishore Kothapalli	
	▪ Department Honors, Bharati Vidyapeeth, Pune, India	Jun 2014
	For outstanding academic performance (Batch 2010 – 2014)	
	▪ TCS Popular Student Project, Bharati Vidyapeeth, Pune, India	May 2014
	▪ Best Undergraduate Project Award, TRDDC, Pune, India	Apr 2014
	For “Mutation Testing Tool for C Programs” at TRDDC Annual Students Day	
TEACHING, LECTURES & SERVICE	▪ DS 256: Scalable Systems for Data Science	Jan 2019
	As Teaching Assistant with Prof. Yogesh Simmhan	
	▪ E0 261: Database Management Systems	Oct 2018
	Lecture on Big Data Systems	
	▪ Web Chair, Doctoral Symposium ICDCN 2019, Bangalore, India	Aug 2018
WORK EXPERIENCE	PubMatic , India	
	▪ Big Data Operations Developer	Jun 2014 – Jul 2016
	• Worked on design and implementation of reporting and ad-hoc data pipelines for processing several TeraBytes of raw data flowing through PubMatic platform using Apache Spark, Storm, Casandra, Hive and MapReduce.	
	• Focus: Big Data Analytics	
SKILLS	Java, C, C++, CUDA C, Python, \LaTeX	

[CV compiled on 2019-04-15]