

# Swapnil Gandhi

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RESEARCH INTERESTS	Scalable temporal-graph processing, leveraging programmable dataplane switches and smart NICs to support data-intensive systems	
EDUCATION	<b>Indian Institute of Science, Bangalore, India</b> <ul style="list-style-type: none"><li>Studying towards Masters in Computer and Data Systems<ul style="list-style-type: none"><li>Cumulative GPA: 9.2 / 10.0 (Ranked 1st)</li></ul></li></ul> <b>Bharati Vidyapeeth, Pune, India</b> <ul style="list-style-type: none"><li>Bachelors in Computer Science and Engineering<ul style="list-style-type: none"><li>Graduated with Department Honors</li><li>Thesis : Mutation Testing Tool for C Programs</li></ul></li></ul>	Aug 2017- Present Jul 2010 – Jun 2014
RESEARCH EXPERIENCE	<b>Indian Institute of Science, Bangalore – Prof. Yogesh Simmhan</b> <ul style="list-style-type: none"><li>Design and implementation of distributed temporal graph processing system</li></ul> <b>TATA Research Development and Design Center, (TRDDC), India</b> <ul style="list-style-type: none"><li>Research Intern – Prasad Bokil, Researcher<ul style="list-style-type: none"><li>Designed and implemented tool for generating and evaluating quality of structural test cases for C Programs.</li><li>Co-Supervisors: Ulka Shrotri, R. Venkatesh</li></ul></li></ul>	Aug 2017 – Present Sep 2013 – Apr 2014
PUBLICATIONS	<b>POSTER</b> <ol style="list-style-type: none"><li>[1] <u>S. Gandhi</u>, and Y. Simmhan, “Wave : A Substrate for Distributed Incremental Graph Processing on Commodity Clusters”, <i>ACM Student Research Competition (SRC) at 27<sup>th</sup> Symposium on Operating Systems Principles (SOSP’19)</i>, Ontario, Canada, Sep 2019.</li><li>[2] <u>S. Gandhi</u>, and Y. Simmhan, “From ‘Think Like a Vertex’ to ‘Think Like an Interval’ ”, <i>Young Researcher’s Symposium at ACM India Joint International Conference on Data Science and Management of Data (6th ACM IKDD CoDS and 24th COMAD)</i>, Kolkata, India, Jan 2019.</li><li>[3] <u>S. Gandhi</u>, S. Sarkar, A. Sharma, and Y. Simmhan, “Distributed Querying over Compressed Property Graphs”, <i>Student Research Symposium at 24th IEEE International Conference on High Performance Computing, Data and Analytics (HiPC)</i>, Jaipur, India, Dec 2017.</li></ol>	
AWARDS & FELLOWSHIPS	<ul style="list-style-type: none"><li>Received a \$1750 travel scholarship from ACM SIGOPS for attending the 27<sup>th</sup> ACM Symposium on Operating Systems Principles (SOSP) in Ontario, Canada</li><li>Won 12th IEEE International TCSC Scalable Computing (SCALE) Challenge For “Dynamic Scaling of Video Analytics for Wide-area Tracking in Urban Spaces”</li><li>Best Poster Award, EECS Research Students Symposium, Bangalore, India For “Distributed Processing Model For Temporal Graphs” at the 10th EECS Research Students Symposium</li><li>Invited to attend 3rd RIKEN R-CCS HPC Youth Workshop, Kobe, Japan</li><li>Best Student Research Symposium Poster, HiPC, Jaipur, India</li><li>Department Honors, Bharati Vidyapeeth, Pune, India For outstanding academic performance (Batch 2010 – 2014)</li><li>TCS Popular Student Project, Bharati Vidyapeeth, Pune, India</li><li>Best Undergraduate Project Award, TRDDC, Pune, India For “Mutation Testing Tool for C Programs” at TRDDC Annual Students Day</li></ul>	Aug 2019 May 2019 Apr 2019 Feb 2019 Dec 2017 Jun 2014 May 2014 Apr 2014
TEACHING, LECTURES & SERVICE	<ul style="list-style-type: none"><li>Artifact Evaluation Committee member for SOSP 2019</li><li>DS 256: Scalable Systems for Data Science As Teaching Assistant with Prof. Yogesh Simmhan</li><li>E0 261: Database Management Systems Lecture on Big Data Systems</li><li>Web Chair, Doctoral Symposium ICDCN 2019, Bangalore, India</li></ul>	Aug 2019 Jan 2019 Oct 2018 Aug 2018

[CV compiled on 2019-09-05]