

# Swapnil Gandhi

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RESEARCH INTERESTS	Scalable temporal-graph processing, data-intensive abstraction and systems, approximate computing, self-driving databases	
EDUCATION	<b>Indian Institute of Science, Bangalore, India</b> <ul style="list-style-type: none"><li>Studying towards Masters in Computer and Data Systems Jul 2017 – Present<ul style="list-style-type: none"><li>Cumulative GPA: 9.2 / 10.0 (Ranked 1st)</li></ul></li><li><b>Bharati Vidyapeeth, Pune, India</b><ul style="list-style-type: none"><li>Bachelors in Computer Science and Engineering Jul 2010 – Jun 2014<ul style="list-style-type: none"><li>Graduated with Department Honors (Ranked 1st)</li><li>Thesis : Mutation Testing Tool for C Programs</li></ul></li></ul></li></ul>	
RESEARCH EXPERIENCE	<b>Indian Institute of Science, Bangalore – Prof. Yogesh Simmhan</b> Jun 2017 – Present <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> Sep 2013 – Apr 2014 <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>	
PUBLICATIONS	<b>POSTER</b> <ul style="list-style-type: none"><li>[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.</li><li>[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.</li></ul>	
AWARDS & FELLOWSHIPS	<ul style="list-style-type: none"><li>Selected for attending 3rd RIKEN R-CCS HPC Youth Workshop, Kobe, Japan Feb 2019<ul style="list-style-type: none"><li>A highly competitive platform, where a few young researchers from across the world are selected to be mentored by R-CCS staff</li></ul></li><li>Best Student Research Symposium Poster, HiPC, Jaipur, India Dec 2017<ul style="list-style-type: none"><li>SRS Chair : Prof. Ashok Srinivasan, Prof. Kishore Kothapalli</li></ul></li><li>Department Honors, Bharati Vidyapeeth, Pune, India Jun 2014<ul style="list-style-type: none"><li>For outstanding academic performance (Batch 2010 – 2014)</li></ul></li><li>TCS Popular Student Project, Bharati Vidyapeeth, Pune, India May 2014</li><li>Best Undergraduate Project Award, TRDDC, Pune, India Apr 2014<ul style="list-style-type: none"><li>For “Mutation Testing Tool for C Programs” at TRDDC Annual Students Day</li></ul></li></ul>	
TEACHING, LECTURES & SERVICE	<ul style="list-style-type: none"><li>DS 256: Scalable Systems for Data Science Jan 2019<ul style="list-style-type: none"><li>As Teaching Assistant with Prof. Yogesh Simmhan</li></ul></li><li>E0 261: Database Management Systems Oct 2018<ul style="list-style-type: none"><li>Lecture on Big Data Systems</li></ul></li><li>Web Chair, Doctoral Symposium ICDCN 2019, Bangalore, India Aug 2018</li></ul>	
WORK EXPERIENCE	<b>PubMatic, India</b> <ul style="list-style-type: none"><li>Big Data Operations Developer Jun 2014 – Jul 2016<ul style="list-style-type: none"><li>Worked on design and implementation of reporting and ad-hoc data processing pipelines to process several hundreds of TeraBytes of raw data flowing through PubMatic platform</li><li>Focus: Big Data Analytics</li></ul></li></ul>	
TRAVEL GRANTS	IEEE HiPC 2017, IEEE HiPC 2018, ACM CoDS-COMAD 2019	
SKILLS	Java, C, C++, CUDA C, Python, $\text{\LaTeX}$	

[CV compiled on 2019-02-05]