

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 | Indian Institute of Science, Bangalore, India <ul style="list-style-type: none">Studying towards Masters in Computer and Data Systems<ul style="list-style-type: none">Cumulative GPA: 9.2 / 10.0 (Ranked 1st) Bharati Vidyapeeth, Pune, India <ul style="list-style-type: none">Bachelors in Computer Science and Engineering<ul style="list-style-type: none">Graduated with Department HonorsThesis : Mutation Testing Tool for C Programs | Jul 2017 – Present 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 TATA Research Development and Design Center, (TRDDC), India <ul style="list-style-type: none">Research Intern – Prasad Bokil, Researcher<ul style="list-style-type: none">Designed and implemented tool for generating and evaluating quality of structural test cases for C Programs.Co-Supervisors: Ulka Shrotri, R. Venkatesh | Jun 2017 – Present Sep 2013 – Apr 2014 |
| PUBLICATIONS | POSTER <ul style="list-style-type: none">[1] S. Gandhi, 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] S. Gandhi, 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">Won 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 | May 2019 Apr 2019 Feb 2019 Dec 2017 Jun 2014 May 2014 Apr 2014 |
| TEACHING, LECTURES & SERVICE | <ul style="list-style-type: none">Artifact Evaluation Committee member for SOSP 2019DS 256: Scalable Systems for Data Science As Teaching Assistant with Prof. Yogesh SimmhanE0 261: Database Management Systems Lecture on Big Data SystemsWeb Chair, Doctoral Symposium ICDCN 2019, Bangalore, India | Aug 2019 Jan 2019 Oct 2018 Aug 2018 |
| WORK EXPERIENCE | PubMatic, India <ul style="list-style-type: none">Big Data Operations Developer<ul style="list-style-type: none">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. | Jun 2014 – Jul 2016 |

[CV compiled on 2019-08-02]