

Swapnil Gandhi

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| RESEARCH INTERESTS | Scalable temporal-graph processing, data-intensive abstraction and systems, self-driving databases | |
| EDUCATION | Indian Institute of Science, Bangalore, India | |
| | <ul style="list-style-type: none">Studying towards Masters in Computer and Data Systems Jul 2017 – Present<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 Jul 2010 – Jun 2014<ul style="list-style-type: none">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 <ul style="list-style-type: none">Design and implementation of distributed temporal graph processing system | |
| | TATA Research Development and Design Center, (TRDDC), India Sep 2013 – Apr 2014 <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 | |
| PUBLICATIONS | POSTER | |
| | [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” May 2019Best Poster Award, EECS Research Students Symposium, Bangalore, India For “Distributed Processing Model For Temporal Graphs” at the 10th EECS Research Students Symposium Apr 2019Invited to attend 3rd RIKEN R-CCS HPC Youth Workshop, Kobe, Japan Feb 2019Best Student Research Symposium Poster, HiPC, Jaipur, India Dec 2017Department Honors, Bharati Vidyapeeth, Pune, India For outstanding academic performance (Batch 2010 – 2014) Jun 2014TCS Popular Student Project, Bharati Vidyapeeth, Pune, India May 2014Best Undergraduate Project Award, TRDDC, Pune, India For “Mutation Testing Tool for C Programs” at TRDDC Annual Students Day Apr 2014 | |
| TEACHING, LECTURES & SERVICE | <ul style="list-style-type: none">DS 256: Scalable Systems for Data Science As Teaching Assistant with Prof. Yogesh Simmhan Jan 2019E0 261: Database Management Systems Lecture on Big Data Systems Oct 2018Web Chair, Doctoral Symposium ICDCN 2019, Bangalore, India Aug 2018 | |
| WORK EXPERIENCE | PubMatic, India | |
| | <ul style="list-style-type: none">Big Data Operations Developer Jun 2014 – Jul 2016<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.Focus: Big Data Analytics | |
| SKILLS | Java, C, C++, CUDA C, Python, L ^A T _E X | |

[CV compiled on 2019-05-18]