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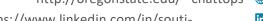
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My work is focused around creating an understanding of how humans contextualize consumed information when interacting with interfaces, especially when developing software. With this understanding, I aim to make development tools more assistive and accessible to augment human intelligence in real time.

Education

2016 - Present	**Doctorate of Philosophy,** *Computer Science*, Oregon State University, Corvallis, Oregon. Concentration: *Human-Computer Interaction*, Advisor: *Anita Sarma.* GPA: 4.0.
2012- 2016	**Bachelor of Technology,** Electronics and Communication Engineering, Institute of Engineering and Management, Kolkata, India. GPA: 3.65.
1998-2012	**Indian School Certificate,** St. Stephen's School, India. GPA: 91.42%.

Publications

[■C2] **Souti Chattopadhyay**, Nicholas Nelson, Yenifer Ramirez, Annel Amelia Leon, Rahul Pandita, Anita Sarma. *Latent Patterns in Activities: A Field Study of How Developers Manage Context.* Accepted. International Conference on Software Engineering (ICSE Technical Track) 2019, Montréal, Canada, May 25-31, 2019.

[■C1] Rafael Leano, **Souti Chattopadhyay**, Anita Sarma. *What makes a task difficult? An Empirical Study of Perceptions of Task Difficulty.* IEEE Symposium on Visual Languages and Human-Centric Computing , October 2017.

[■W1] **Souti Chattopadhyay**, Nicholas Nelson, Thien Nam, McKenzie Calvert, Anita Sarma. *Context in Programming: An Investigation of How Programmers Create Context*. 2018 IEEE/ACM 11th International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE'18), May 2018.

Older Publications

[■OC1] Chattopadhyay Souti, Sourav Mishra, and Saptarsi Goswami. *Feature selection using differential evolution with binary mutation scheme*. Microelectronics, Computing and Communications (MicroCom), 2016 International Conference on. IEEE, 2016.

[■OC2] Mishra, Sourav, **Souti Chattopadyay,** and Malay Gangopadhyaya. *A comparative study of DE, PSO and BFO for optimisation of Rectangular Microstrip Patch Antenna with inset feed parameter.* Computing and Communication (IEMCON), 2015 International Conference and Workshop on IEEE.

[■OC3] Bhattacharya S., **Chattopadhyay S.,** Talukder S., Bag S., Mishra S., & Gangopadhyaya M. *Optimization of inset-fed microstrip patch antenna using genetic algorithm*. In Computing and Communication (IEMCON), 2015 International Conference and Workshop on IEEE.

Experience and Service

2016 - Present   **Graduate Research Assistant (GRA),** Oregon State University. Advisor: Anita Sarma

2016 - 2017   **Graduate Teaching Assistant (GTA),** Oregon State University. CS325 - Algorithms (Fall 2016, Winter 2017), CS391 - Social and Ethical Issues in Computer Science (Spring 2017)

2018   **Student Volunteer,** 40th International Conference on Software Engineering, May 27 - 3 June 2018, Gothenburg, Sweden.

2018   **Attendee,** Computing Research Association for Women (CRA-W), Grad Cohort for Women 2018, San Francisco, April, 2018.

2018   **Reviewer,** The 33rd IEEE/ACM International Conference on Automated Software Engineering (ASE), Montpellier, France, September 3 to 7, 2018.

2017   **Reviewer,** 32nd IEEE/ACM International Conference on Automated Software Engineering (ASE), Urbana-Champaign, Illinois.

Coursework

Spring 2018   **CS565:** Human Computer Interaction, Oregon State University.
Professor: *Margaret Burnett*

Spring 2017   **CS560:** Empirical Methods of Software Engineering, Oregon State University.
Professor: *Anita Sarma*

Spring 2017   **ST 512:** Methods of Data Analysis, Oregon State University.
Professor: *Claudio Fuentes*

Winter 2017   **CS569:** Empirical Lab Studies of Software Development, Oregon State University.
Professor: *Anita Sarma*

Winter 2017   **ST 511:** Methods of Data Analysis, Oregon State University.
Professor: Sarah Emerson

Fall 2016   **CS519:** Research Methods in HCI: Inclusive Design, Oregon State University.
Professor: *Margaret Burnett*