

# Abhishek Sharma

Senior Software Engineer (Machine Learning) ,  
Veracode, Singapore

Web: <https://abhishek9sharma.github.io/>

## EDUCATION

- Ph.D. School of Information Systems, Singapore Management University, January 2019  
Dissertation Title: *Social Software Development: Insights and Solutions*
- B.Tech. Computer Science & Engineering , National Institute of Technology, Hamirpur, India, 2008

## PROFESSIONAL EXPERIENCE

- 2019 - Present Veracode, *Senior Software Engineer (Machine Learning)*, Singapore
- 2012 - 2014 Accenture, *Analyst Programmer*, Bengaluru (India); Liverpool/Horsham (UK)
- 2011 - 2012 Accenture, *Senior Programmer*, Bengaluru (India)
- 2008 - 2011 Tata Consultancy Services Ltd., *Assistant Systems Engineer*, Gurgaon (India)

## ACADEMIC APPOINTMENTS

- May-Dec 2019 Singapore Management University, Singapore  
Postdoctoral Scholar, Living Analytics Research Centre

## RESEARCH INTERESTS

- Mining Software Repositories  
Empirical Software Engineering  
Software Analytics (Text, Socio-Technical Networks)  
Applied Machine Learning

## PUBLICATIONS

### Peer-Reviewed Journal Articles

- 2021 Bowen Xu, Thong Hoang, **Abhishek Sharma**, Chengran Yang, Xin Xia, and David Lo. Post2vec: Learning distributed representations of stack overflow posts. *IEEE Transactions on Software Engineering*, pages 1–1, 2021
- 2021 Gede Artha Azriadi Prana, **Abhishek Sharma**, Lwin Khin Shar, Darius Foo, Andrew E Santosa, Asankhaya Sharma, and David Lo. Out of sight, out of mind? how vulnerable dependencies affect open-source projects. *Empirical Software Engineering*, 26(4):1–34, 2021
- 2020 Agus Sulistya, Gede Artha Azriadi Prana, **Abhishek Sharma**, David Lo, and Christoph Treude. Sieve: Helping developers sift wheat from chaff via cross-platform analysis. *Empirical Software Engineering*, 25(1):996–1030, 2020
- 2018 **Abhishek Sharma**, Yuan Tian, Agus Sulistya, Dinusha Wijedasa, and David Lo. Recommending who to follow in the software engineering twitter space. *ACM Transactions on Software Engineering and Methodology (TOSEM)*, 27(4):16:1–16:33, October 2018

### Peer-Reviewed Conference Proceedings

- 2020 Yang Chen, Andrew E Santosa, Ang Ming Yi, **Abhishek Sharma**, Asankhaya Sharma, and David Lo. A machine learning approach for vulnerability curation. In *In IEEE/ACM 17th International Conference on Mining Software Repositories (MSR)*, ACM, 2020
- 2017 Yuan Tian, Ferdian Thung, **Abhishek Sharma**, and David Lo. Apibot: Question answering bot for api documentation. In *Proceedings of the 32nd IEEE/ACM International Conference on Automated Software Engineering, ASE 2017*, pages 153–158. IEEE Press, 2017
- 2017 Xin Xia, David Lo, Lingfeng Bao, **Abhishek Sharma**, and Shanping Li. Personality and project success: Insights from a large-scale study with professionals. In *Proceedings of the International Conference on Software Maintenance and Evolution (ICSME)*, pages 318–328. IEEE, 2017
- 2017 **Abhishek Sharma**, Ferdian Thung, Pavneet Singh Kochhar, Agus Sulistya, and David Lo. Cataloging github repositories. In *Proceedings of the 21st International Conference on Evaluation and Assessment in Software Engineering, EASE'17*, pages 314–319. ACM, 2017
- 2017 **Abhishek Sharma**, Yuan Tian, Agus Sulistya, David Lo, and Aiko Fallas Yamashita. Harnessing twitter to support serendipitous learning of developers. In *Proceedings of the 24th International Conference on Software Analysis, Evolution and Reengineering (SANER)*, pages 387–391. IEEE, 2017
- 2016 Agus Sulistya, **Abhishek Sharma**, and David Lo. Spiteful, one-off, and kind: Predicting customer feedback behavior on twitter. In *2015 IEEE International Conference on International Conference on Social Informatics (SoCInfo)*, pages 368–381. Springer, 2016

- 2016 Doyen Sahoo, **Abhishek Sharma**, Steven CH Hoi, and Peilin Zhao. Temporal kernel descriptors for learning with time-sensitive patterns. In *Proceedings of the 2016 SIAM International Conference on Data Mining*, pages 540–548. SIAM, 2016
- 2015 **Abhishek Sharma**, Yuan Tian, and David Lo. What’s hot in software engineering twitter space? In *Proceedings of the International Conference on Software Maintenance and Evolution (ICSME)*, pages 541–545. IEEE, 2015
- 2015 **Abhishek Sharma**, Yuan Tian, and David Lo. Nirmal: Automatic identification of software relevant tweets leveraging language model. In *Proceedings of the 22nd International Conference on Software Analysis, Evolution and Reengineering (SANER)*, pages 449–458. IEEE, 2015

## **AWARDS**

- 2020 ACM SIGSOFT Distinguished Paper Award MSR’2020
- 2017 Best Paper Award in the ERA track of SANER’2017
- 2014 SMU Ph.D. Scholarship for 4 years
- 2008 TCS Initial Learning Program Top Performer

## **TEACHING EXPERIENCE**

### **Singapore Management University**

- IS111 - *Introduction to Programming* (Aug-Nov’2018 : Graduate Instructor)
- IS110 - *Information Systems and Innovation* (Aug-Dec’2017: Graduate Teaching Assistant)
- IS201 - *Object Oriented Application Development* (Jan-April ’2016 : Graduate Teaching Assistant)

## **SERVICE**

### **Program Committee Member**

- Automated Software Engineering (ASE) 2021 Industry Showcase track*
- Mining Software Repositories (MSR) 2018 Mining Challenge*

### **Peer Reviewer**

- Transactions on Software Engineering (TSE)*
- Journal of Software: Evolution and Process (JSEP)*

**Peer Reviewer (External)**

*Innovations in Software Engineering Conference (ISEC)*

*International Symposium on Empirical Software Engineering and Measurement (ESEM)*

*Evaluation and Assessment in Software Engineering (EASE)*

*Asia-Pacific Software Engineering Conference (APSEC)*

*Working Conference on Source Code Analysis and Manipulation (SCAM)*

*International Workshop on Software Analytics (SWAN)*

**International Experience**

I have previously worked professionally in India, United Kingdom and Singapore.

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