

**Dr. SUNIL SAUMYA**

**Assistant Professor**

**Department of CSE**

**Indian Institute of Information Technology Dharwad**

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## Profile Summary

**Ph.D.:** **Computer Science and Engineering** (2015-2020)  
**Research Area:** Applied Machine Learning, Applied Deep Learning, Data Analytics  
**Programming Language:** Python, C  
**M.Tech:** **Computer Science and Engineering** (2012-2014)  
**B.Tech:** **Computer Science and Engineering** (2008-2012)  
**Publications:** **4 Journals** (3 SCI indexed)  
**5 International Conferences**

## Academic Background

**Ph.D.:** **Computer Science and Engineering** (2015-2020)  
**Institute:** **National Institute of Technology Patna**  
**Thesis Title:** **Improving the Utility of Online Consumer Reviews using Deep Learning**  
**Thesis Supervisor:** **Dr. Jyoti Prakash Singh**, Department of Computer Science and Engineering, National Institute of Technology Patna  
**M. Tech:** **Computer Science and Engineering Dept.** (2012-2014)  
**Institute:** **Visvesvaraya Technological University**, University campus, Belgaum  
**Percentage:** 77.5%  
**Project Title:** Preserving the privacy of user while accessing location-based query service  
**B. Tech:** **Computer Science and Engineering** (2008-2012)  
**Percentage:** 74.16%  
**Intermediate (10+2):** **Science (PCMC)** (2006-2008)  
**Board:** **Divine PU College**, Bangalore, Karnataka Board

## Research Interest

1. Machine Learning
2. Natural Language Processing
3. Information Retrieval
4. Text Mining
5. Data Analytics

## Publications:

### International Journals (Published):

1. **Sunil Saumya**, Singh, J. P., & Dwivedi, Y. K. (2019). Predicting the helpfulness score of online reviews using convolutional neural network. *Soft Computing*. <https://doi.org/10.1007/s00500-019-03851-5> (SCIE) [IF: 2.367, H-index: 56]
2. **Sunil Saumya**, Singh, J. P., Baabdullah, A. M., Rana, N. P., & Dwivedi, Y. K. (2018). Ranking online consumer reviews. *Electronic Commerce Research and Applications*, 29, 78-89. (SCIE), [IF: 2.582, H-index: 60]
3. **Sunil Saumya**, & Singh, J. P. (2018). Detection of spam reviews: a sentiment analysis approach. *CSI Transactions on ICT*, Springer, 1-12. [H5-index: 9]
4. Singh, J. P., Irani, S., Rana, N. P., Dwivedi, Y. K., **Sunil Saumya**, & Roy, P. K. (2017). Predicting the "helpfulness" of online consumer reviews. *Journal of Business Research*, 70, 346-355. (SSCI), [IF: 2.509, H-index: 144]

### International Journals (Communicated):

1. **Sunil Saumya** and Jyoti Prakash Singh (2019). Spam Review Detection Using LSTM Autoencoder: An Unsupervised Approach. *Electronic Commerce Research*, Springer. (**Under Review**). (SCIE) [IF: 1.489, H-index: 31]
2. **Sunil Saumya**, Jyoti Prakash Singh and Pradeep Kumar Roy (2019). A survey of learning-based techniques of review helpfulness prediction. *ACM Computing Survey* (**Under Review**).

### International Conferences Proceedings:

1. Kumar, A., Singh, J. P., & **Saumya, S.** (2019). A Comparative Analysis of Machine Learning Techniques for Disaster-Related Tweet Classification. *IDP, IEEE*, 159(204), 18.
2. **Saumya, S.**, Singh, J. P., & Kumar, A. (2019). A Machine Learning Model for Review Rating Inconsistency in E-commerce Websites. *ICDMAI*, Springer.
3. **Saumya, S.**, Kumar, J., & Singh, J. P. (2018). Genre Fraction Detection of a Movie Using Text Mining. In *Advanced Computing and Systems for Security* (pp. 167-177). Springer, Singapore.
4. Saini, S., **Saumya, S.**, & Singh, J. P. (2017, June). Sequential Purchase Recommendation System for E-Commerce Sites. In *IFIP International Conference on Computer Information Systems and Industrial Management* (pp. 366-375). Springer, Cham.
5. **Saumya, S.**, Singh, J. P., & Kumar, P. (2016, September). Predicting Stock Movements using Social Network. In *Conference on e-Business, e-Services and e-Society* (pp. 567-572). Springer, Cham.

## Workshop/Seminar

1. 3rd Indian Workshop on **Machine Learning** held at **IIT BHU** from July 1-3rd, 2018.
2. GIAN Workshop on **Neural Machine Translation**, held at **IIT Patna** December 04- 10th, 2017.
3. Workshop on "**Recent Advances in Computational Intelligence (RACI)-2017**" at **Indian Statistical Institute (ISI) Kolkata** from 18-22th September, 2017
4. 4th International Doctoral Symposium on **Applied Computation and Security System (ACSS)** organized by **NIT Patna** from 17-19th March, 2017

5. International Workshop on “5G Secured Smart City” From 20-21st March, 2017 at NIT Patna.
6. workshop on “Multi-objective optimization” at IIT Patna from 15-22th December, 2016.
7. one-week workshop on “Data mining for competitive business and industry” at Government college of Engineering and lather technology, Kolkata from 27th June to 1st July, 2016.

## Research/Teaching Experience

1. Assistant Professor, in CSE department at Indian Institute of Information Technology Dharwad. (July 2019- till date).
2. 3.6 Years Research Experience at NIT Patna
3. Lab classes: “Programming in C”, “Operating System”, and “Compiler Design”, “Machine Learning”, “Deep Learning”
4. Theory Classes: OS, TOC, Compiler

## Faculty Development Programme:

1. AI and Machine Learning, July 04-08th, 2018
2. Introduction to Data Structures and Programming in C, July 1-10th, 2017

## References:

1. Dr. Jyoti Prakash Singh  
Assistant Professor  
Department of Computer Science and Engineering  
National Institute of Technology Patna  
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Contact Number: 8521159014

## Personal Information:

**Language:** Hindi, English  
**Date of Birth:** 22nd Sep 1989  
**Sex:** Male  
**Nationality:** Indian

## Declaration

I hereby declare that all the statements made above are true to the best of my knowledge and belief.

SUNIL SAUMYA