Title	Dr.	First Name	Shikha	Last Name	Verma	Photograph
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Google Scholar	https://scholar.google.com/citations?user=Wk5Qk3oAAAAJ&hl=en&authuser=4
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Educational Qualifications

Degree	Institution	Year
Ph.D.	Jawaharlal Nehru University	2025
MCA	Guru Gobind Singh Indraprastha University	2013

Career Profile

- Teaching Experience :- 10 Years

Areas of Interest / Specialization

- Natural Language Processing
- Data Mining /Text Mining
- Machine Learning

Subjects Taught

- Programming in Java
- Database management system
- PHP Programming
- Artificial Intelligence
- Computer Graphics
- Android Programming
- Software Engineering
- Programming in Python
- Programming in C++
- Data Structures
- Operating System
- HTML CSS

Publications Profile

1) Detection and tracking of moving cloud services from video using saliency map model S Kamble, DKJ Saini, V Kumar, AK Gautam, S Verma, A Tiwari, D Goyal Journal of Discrete Mathematical Sciences and Cryptography 25 (4), 1083-1092

2) Analysis of strengths and weakness of sdlc models -S Verma International Journal of Advance Research in Computer Science and Management …2014

3) Detection of recurring vulnerabilities in computing services S Kumar, KK Dubey, AK Gautam, S Verma, V Kumar, U Mamodiya, Journal of Discrete Mathematical Sciences and Cryptography 25 (4), 1063-1071, 2022

4) Biobert-based model for covid-related named entity recognition,G Soni, S Verma, A Sharan, O Ahmad, International Conference on Advances in IoT and Security with AI, 333-346,2023

5) High level browser security in cloud computing services from cross site scripting attacks, M Malik, M Kumar, V Kumar, AK Gautam, S Verma, S Kumar, D Goyal, Journal of Discrete Mathematical Sciences and Cryptography 25 (4), 1073-1081, 2022

6) Incorporating semantics for text classification in biomedical domain, S Verma, A Sharan, Proceedings of the International Health Informatics Conference: IHIC 2022 …2023

7) Efficient classification of hallmark of cancer using embedding-based support vector machine for multilabel text S Verma, A Sharan, N Malik, New Generation Computing 42 (4), 685-714, 2024

8) Improving and Analyzing the Movie Sentiments Using the SVM Approach, S Verma, AK Gautam, S Gandhi, A Goyal, 2022 IEEE Conference on Interdisciplinary Approaches in Technology , 2022

9) A survey on Phishing detection and the importance of feature selection in Data MIning classification algorithms, S Verma, AK Gautam, Journal of Science and Technology 5 (6), 11-18, 2020

10) Machine Learning Techniques for Classification of Spambase Dataset: A Hybrid Approach, S Verma, AK Gautam, Proceedings of the 2019 3rd International Symposium on Computer Science 2019

11) Multilabel Text Classification in Biomedical Domain, S Verma, O Ahmad, A Sharan, Text Mining Approaches for Biomedical Data, 299-326, 2024,

12) Biomedical Text Data Visualization, S Verma, Y Gupta, Text Mining Approaches for Biomedical Data, 105-114, 2024

13) Unveiling the Biomarkers: Identifying Key Signatures for Cancer Hallmarks.,S Verma, A Sharan, EAI Endorsed Transactions on Pervasive Health & Technology 10 (1), 2024

14) Metaverse Dynamics: Exploring Industry Impacts and Educational Frontiers N Malik, K Jindal, S Verma, S Gupta, Educational Perspectives on Digital Technologies in Modeling and Management, 2024

15) Comparative Study on Integration Testing and System Testing, S Verma, International Journal of Advance Research in Computer Science and Management, 2014

16) A Study On Unified Modelling Language And Its Architecture, S Verma, International Journal of Advanced Scientific and Technical Research (IJAST), 2014,

17) Model Architecture And Model Building, S Verma, International Journal of Computer Application (IJCA), 2014

18) A Study On Page Life-Cycle Of Asp.Net, S Verma, International Journal of Advanced Research in Computer Science and Software.

Awards and Distinctions

- Selected in IIT Delhi for SFRF-Summer Faculty Research Fellowship in May-July, 2018 and May-July, 2019 and July 2020.
- Gold Medalist in Post Graduation (Year 2013).
- Selected as Exemplary Performer student of MCA in Guru Gobind Singh Indraprastha University

Conference Proceedings

- Verma, S., & Sharan, A. (2023). Incorporating semantics for text classification in biomedical domain. In Lecture Notes in Electrical Engineering (pp. 185–197). Springer Nature Singapore. https://dx.doi.org/10.1007/978-981-19-9090-8_17
- Verma, S., Kumawat, H., Sharan, A., Hooda, S., & Verma, N. (2024). Unveiling Biomedical Insights: A Semantic Pipeline from Document Entities to Knowledge Graph Analysis of Hallmarks of Cancer. *Procedia Computer Science*, Presented at the International Conference on Machine Learning and Data Engineering in December 2024.
- Soni, G., Verma, S., Sharan, A., Ahmad, O. (2023). BioBERT-Based Model for COVID-Related Named Entity Recognition. In: Mishra, A., Gupta, D., Chetty, G. (eds) Advances in IoT and Security with Computational Intelligence. ICAISA 2023. Lecture Notes in Networks and Systems, vol 755. Springer, Singapore. https://doi.org/10.1007/978-981-99-5085-0_32

Conference / Presentations

- Hybrid Approach for Classification of Medical Imaging data using Machine Learning Techniques during the International Conference on "Machine Intelligence and Data Science Applications (MIDAS-2022)
- Presented the paper titled "Machine Learning Techniques for Classification of Spambase Dataset: A Hybrid Approach" in International Conference on Frontiers of Artificial Intelligence and Machine Learning (FAIML 2019, Italy)

Book Chapter

- Verma, S., Gupta, Y. (2024). Biomedical Text Data Visualization. In: Sharan, A., Malik, N., Imran, H., Ghosh, I. (eds) Text Mining Approaches for Biomedical Data. Transactions on Computer Systems and Networks. Springer, Singapore. https://doi.org/10.1007/978-981-97-3962-2_6
- Verma, S., Ahmad, O., Sharan, A. (2024). Multilabel Text Classification in Biomedical Domain. In: Sharan, A., Malik, N., Imran, H., Ghosh, I. (eds) Text Mining Approaches for Biomedical Data. Transactions on Computer Systems and Networks. Springer, Singapore. https://doi.org/10.1007/978-981-97- 3962-2_14

Patents Granted
AI-Driven Centrifuge Tubes for Optimized Laboratory Workflows- Ms. Shikha Verma, Dr. Arun Kumar Gautam, Patent Number:6349127, Granted (07 March 2024).