**Piyush Gupta**

B.Tech. (CE), M.Tech. (CSE), Pursuing Ph.D.

Assistant Professor

Department of Computer Engineering

J. C. Bose University of Science and Technology, YMCA

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INDIA

## PERSONAL DETAILS

| | | |
|---|---|---|
| Name | : | Piyush Gupta |
| Date of Birth | : | 26-07-1990 |
| Permanent Address | : | House No. 1749/8, Vishnu Colony, Kurukshetra, Haryana |
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## PROFESSIONAL QUALIFICATIONS

i) Ph.D. Pursuing in the Department of Computer Engineering, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana.

ii) **M.Tech.** in Computer Science & Engineering from Department of Computer Science and Applications, Kurukshetra University Kurukshetra (2013-2015).

iii) **B.Tech.** in Computer Engineering from Kurukshetra University Kurukshetra (2008-2012).

## EXPERIENCE

**9 Years** of Teaching & Research experience in the field of Computer Engineering.

i) Presently working as Assistant Professor (from 25.09.2018) in the Department of Computer Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad.

ii) Worked as Assistant Professor from 16.10.2015 to 24.09.2018 in the University Institute of Engineering & Technology, Kurukshetra University Kurukshetra.

## THRUST AREAS

❑ Data Structures and Algorithms
❑ Machine Learning and Deep learning
❑ Recommender Systems
❑ Big Data Analytics

## STUDENTS GUIDED

i) **M. Tech.** : 6 (Completed), 2 (In progress)

## PUBLICATIONS:

| | **Total Number of Publications** | : | **13** |
|---|---|---|---|
| a) | Research Papers in International Journals | : | 07 |
| b) | Research papers in International conferences | : | 05 |
| c) | Research papers in National conferences | : | 01 |

## LIST OF PUBLICATIONS

1. Meghna and **Piyush Gupta**. "Integrating Renewable Energy and Advanced Technologies for Sustainable Electricity Generation: A Comprehensive Review." In 2024 International Conference on Emerging Innovations and Advanced Computing (INNOCOMP), pp. 695-702. IEEE, 2024.

2. **Piyush Gupta**, Ajay Veer Chouhan, Mohammed Abdul Wajeed, Shivam Tiwari, Ankur Singh Bist, and Shiv Charan Puri. "Prediction of health monitoring with deep learning using edge computing." Measurement: Sensors 25 (2023): 100604.

3. **Piyush Gupta**, Komal Kumar Bhatia, and Neelam Duhan. "An Assessment on Real Time Bidding Strategies for Advertising Markets." In 2022 Fifth International Conference on Computational Intelligence and Communication Technologies (CCICT), pp. 138-145. IEEE, 2022.

4. Tiwari, Suraj, and **Piyush Gupta**. "Handwritten Multi-digit Recognition Using Convolutional Neural Networks with Par-Mod." In Emergent Converging Technologies and Biomedical Systems: Select Proceedings of ETBS 2021, pp. 381-394. Singapore: Springer Singapore, 2022.

5. Saumya Goyal, Atul Sharma**, Piyush Gupta**, & Pragya Chandi (2021). Assessment of iris flower classification using machine learning algorithms. In Soft Computing for Intelligent Systems: Proceedings of ICSCIS 2020 (pp. 641-649). Springer Singapore.

6. Anshul Vashisth, Vedpal, **Piyush Gupta**, "From Word2Vec to BERT: A Review on Language Representations", Journal of University of Shanghai for Science and Technology, Vol. 22, Issue 10, 2020,pp. 1320-1326, ISSN: 1007-6735. https://jusst.org/wp-content/uploads/2020/10/From-Word2Vec-to-BERT-A-Review-on-Language-Representations-1.pdf.

7. Pankaj, **Piyush Gupta** and Vedpal "Prediction of Tumors in Brain MRI Images using Grasshopper Optimization Algorithm with Image Segmentation and Enhancement Approach" Design Engineering.

8. Chandi, Pragya, Atul Sharma, Amandeep Chhabra, and **Piyush Gupta**. "A DES-based mechanism to secure personal data on the internet of things." In International Conference on Communications and Cyber Physical Engineering 2018, pp. 45-53. Singapore: Springer Singapore, 2018.

9. Pragya Chandi, Amandeep Chhabra, **Piyush Gupta**, Jyotika Verma,"Different Routing Strategies in Perspective of various Application Areas in VANET", IJSRD - International Journal for Scientific Research & Development, Vol. 5, Issue 05, 2017, pp. 963-967 ISSN (online): 2321-0613. http://www.ijsrd.com/articles/IJSRDV5I50957.pdf

10. Atul Sharma, **Piyush Gupta**, Jitender Grover, "Configuration of ONE Simulator using Eclipse", IOSR Journal of Electronics and Communication Engineering (IOSR-JECE), ISSN: 2278-8735, Special Issue AETM'16, Vol. 1, pp. 110-118, April 2016. (I.F. 1.398). https://www.iosrjournals.org/iosr-jece/papers/Conf.15010/Volume%201/S.ECE-154.pdf.

11. **Piyush Gupta**, Atul Sharma and Jitender Grover (2016) "Rating based Mechanism to Contrast Abnormal Posts on Movies Reviews using MapReduce Paradigm", International Conference on Reliability, Infocom Technologies and Optimization(ICRTIO) IEEE. Pp-278-281.

12. **Piyush Gupta**, Pardeep Kumar, and Girdhar Gopal. "Sentiment analysis on hadoop with hadoop streaming." International Journal of Computer Applications 121, no. 11 (2015).

13. **Piyush Gupta**, Mittal P. K., and Gopal G. (2015) **"Big Data: Problems, Challenges and Techniques"** Journal of Environmental Science, Computer Science and Engineering & Technology, vol. 4, No.2, pp. 202-209, E-ISSN: 2278–179X.
    https://www.jecet.org/download_frontend.php?id=53&table=Comp%20Science

## BOOK CHAPTERS

1. Tanisha Gupta, Piyush Gupta, Ved Pal, and Komal Kumar Bhatia. "Breast Cancer Detection Using Different Classification and Ensemble Methods." In Smart Healthcare for Sustainable Urban Development, pp. 28-50. IGI Global, 2022.

## PATENTS PUBLISHED

1. System for Crop Health Assessment and Monitoring with Incorporating Weather Forecasting Data using Artificial Intelligence and Machine Learning. (2021, Oct. 29). Indian Patent: 202111048073 [online].

2. Detect Malware in Cyber Security by using Machine Learning and Artificial Intelligence. (2022, Aug. 26). Indian Patent: 202211046452 [Online].