Dr. Princy Matlani
Assistant Professor,
Department of Computer Science & Engineering,
Guru Ghasidas Vishwavidyalaya, Bilaspur
PhD: 2020
Research Area: Computer Vision, Artificial Intelligence
Phone: +91 – 9630483831
Email: princy.matlani@ggu.ac.in

CURRICULUM-VITAE

EDUCATION: -

Degree	Institution/Board	Grade	Award	Year
PhD(Computer Science & Engineering)	Guru Ghasidas Vishwavidyalaya,Bilaspur	82%(Coursework)		2015-2020
M.Tech	National Institute of Technology, Raipur	8.75/10	SILVER MEDALIST	2013
B.Tech	Government Engineering College, Bilaspur	8.88/10	BRANCH TOPPER	2011
12th	CBSE	77%	1st Div	2007
10th	CBSE	72%	1st Div	2005

WORK EXPERIENCE: -

Assistant Professor	2017-2019	GTB College, Bilaspur
Assistant Professor	2019-Till Date	Guru Ghasidas Vishwavidyalaya, Bilaspur(Central University)

PhD Supervision:-Ongoing-3

M.Tech Supervision: -Completed-2, Ongoing-1

Courses Taught: -

1. Computer Programming-Bachelor of Technology
2. Multimedia Systems: -Master of Technology
3. Artificial Intelligence: -Bachelor of Technology

Project Sanctioned: - 01(Ongoing) – Building Climate Conscious Chhattisgarh: Methane Free Horizons- by **Chhattisgarh State Biodiversity Board**

LATEST PUBLICATIONS: -

1. BiLSTM-ANN: early diagnosis of Alzheimer's disease using hybrid deep learning algorithms
Matlani, P.Multimedia Tools and Applications., 2024, 83(21), pp. 60761–60788

2. A Deep Learning And Meta-Heuristic Optimization Approach For Content-Based Video , Princy Matlani. (2024).Retrieval. *International Journal of Intelligent Systems and Applications in Engineering*, *12*(21s), 5038 –. Retrieved from https://www.ijisae.org/index.php/IJISAE/article/view/7699.

3. Maximum temperature forecasting using deep learning algorithm by hyperparameter optimization, Matlani, P., Shukla, B., E3S Web Conf. 585 02006 (2024) DOI: 10.1051/e3sconf/202458502006.

4. Small Object Detection in Remote Sensing Imagery Using Optimized Faster R-CNN. Matlani, P., Shrivastava, M. *International Journal of Intelligent Systems and Applications in Engineering*, *12*(23s), 3348 –.Retrieved from https://www.ijisae.org/index.php/IJISAE/article/view/7700.

5. Efficient abnormal event detection in video using deep attention based bidirectional lstm with a mayfly optimization Matlani, P. , Shrivastava, M. Multimedia Tools and ApplicationsThis link is disabled., 2022, 81(29), pp. 42371–42392.

6. An Efficient Algorithm Proposed For Smoke Detection in Video Using Hybrid Feature Selection Techniques Matlani, P. , Shrivastava, M. Engineering, Technology and Applied Science ResearchThis link is disabled., 2019, 9(2), pp. 3939–3944.

7. Hybrid deep VGG-net convolutional classifier for video smoke detection Matlani, P. , Shrivastava, M. CMES - Computer Modeling in Engineering and SciencesThis link is disabled., 2019, 119(3), pp. 427–458

8. A survey on video smoke detection Matlani, P., Shrivastava, M. Lecture Notes in Networks and SystemsThis link is disabled., 2018, 9, pp. 211–222.

9. A smoke detection algorithm based on K-means segmentationShrivastava, M., Matlani, P.ICALIP 2016 - 2016 International Conference on Audio, Language and Image Processing - Proceedings, 2017, pp. 301–305, 7846590

10. Vision-Based Smoke Detection, MTMI 2017, DUBAI

11. A cloud computing based telemedicine serviceMatlani, P., Londhe, N.D.IEEE EMBS Special Topic Conference on Point-of-Care (POC) Healthcare Technologies: Synergy Towards Better Global Healthcare, PHT 2013, 2013, pp. 326–330, 6461351

12. Real-time Indoor Theft Detection System Using ComputerVision , International Journal of Scientific Research in Computer Science, Engineering and Information Technology © 2018 IJSRCSEIT | Volume 3 | Issue 1 | ISSN : 2456-3307791

Administrative Responsibilities:

1. Academic Council Member of Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G) (Since Nov 2024).

2. Member, Academic Planning, Development and Monitoring Board (APDMB), Guru Ghasidas Vishwavidyalaya, India (2025-Till Date)

3. Member, Departmental Research Committee, Department of Computer Science & Engineering, Guru Ghasidas Vishwavidyalaya, India (2021-2024)

4. Member, Validation Committee, NIRF – Overall, Guru Ghasidas Vishwavidyalaya.

5. Warden, Girls Hostel, Guru Ghasidas Vishwavidyalaya (2022-Till Date)

6. Proctorial Member, Guru Ghasidas Vishwavidyalaya (2022-2024)

7. Program Officer, NSS, Guru Ghasidas Vishwavidyalaya (2021-March 2025)

Membership in Professional Bodies:-IEEE Member

Other Academic Achievements: - Complete Faculty Fellowship SFRF 2023 from Biomedical Engineering Department, IIT Delhi.

Community Service: -Program Officer in National Service Scheme (Guru Ghasidas Vishwavidyalaya Cell) (2021-2025).

PERSONAL DETAILS

Father's Name	: Mr. S.C Matlani
Mother's Name	: Mrs. Vinita Matlani
Date of Birth :	: 29 May 1990
Category	: General
Sex	: Female
Nationality	: Indian
Language Known	: English, Hindi and Sindhi
Email	: princy.matlani@ggu.ac.in
Phone no.	: +919630483831
Permanent Address	: Rama Valley Premium, Bilaspur (C.G)
References	: Dr. Alok kumar singh kushwaha

Professor, Department of Computer Science & Engineering,

Guru Ghasidas Vishwavidyalaya, Bilaspur, India

Contact No.: +91-8090631394
E-Mail Id: alokkumarsingh.jk@gmail.com

 I hereby declare that the above-mentioned information is true to the best of my knowledge