

# Gurmeet Kaur

Computer Science & Engineering – UIET, Chandigarh, PIN 160014, Chandigarh, India

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## EDUCATION

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- **Doctor of Philosophy (Ph.D.) (Pursuing)** [Feb 2020–Present]  
*CSE, UIET, Panjab University, Chandigarh, India.*
- **Master of Technology (M.Tech.)** [Aug 2012–May 2015]  
*CSE, UCOE, Punjabi University, Patiala, India.*  
*Aggregate: 69.3%*
- **Bachelor of Technology (B.Tech.)** [Aug 2008–Jun 2012]  
*Information Technology, Punjab Technical University, India*  
*Aggregate: 76.7%*

## TEACHING ELIGIBILITY

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1. UGC-NET Qualified in Computer Science and Applications, Dec 2019, [Dec 2019]

## WORK EXPERIENCE

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- **Guest Faculty** in *UIET, Panjab University* [Nov 2023–Present]  
Teaching: Software Quality Assurance, Machine Learning, Business Intelligence,  
Latest Trends and Technologies in Computer Science.
- **Teaching Assistant** in *UIET, Panjab University* [June 2021–June 2022]  
Teaching: Artificial Intelligence and Neural Networks.
- **Assistant Professor** in *IET Bhaddal* [July 2018–May 2019]  
Teaching: Operating System, Database Management System and Software Engineering.

## PUBLICATIONS

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### Journals

1. Kaur, G., & Singh, S. (2024). Revisiting vision-based violence detection in videos: A critical analysis. **Neurocomputing**, 128113. **Indexing:** SCI. **Impact Factor:** 5.5.
2. Kaur, G., & Singh, S. (2021). An ensemble based approach for violence detection in videos using deep transfer learning. **Multimedia Tools and Applications**, 1-25. **Indexing:** SCI. **Impact Factor:** 3.0.
3. Kaur, G., & Singh, S. ConvNeXt based Dual Attention Network for Detection of Violence in surveillance videos. Communicated to *Soft Computing (Springer)*. (Under Review)
4. Kaur, G., & Singh, W. (2016). Prediction of student performance using weka tool. **An International Journal of Engineering Sciences**, 17, 8-16.
5. Kaur, G., & Singh, W. (2016). Optimal Selection of Factors Influencing Student Academic Performance in Educational Data Mining. **An International Journal of Engineering Sciences**, 22(0), 386-393.

## CONFERENCES

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1. Kaur, G., & Singh, S. (2023, March). A Deep Learning Framework for Violence Detection in Videos Using Transfer Learning. In *International Conference on Advanced Computing, Machine Learning, Robotics and Internet Technologies* (pp. 100-111). Cham: Springer Nature Switzerland.

2. Kaur, G., & Singh, S. (2021). Violence detection in videos using deep learning: A survey. Advances in Information Communication Technology and Computing: Proceedings of AICTC 2021, 165-173.

## SKILLS

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### Research Area

**Artificial Intelligence:** (i) Deep Learning (ii) Computer Vision.

### Subjects

Database Management System, Operating System, Software Engineering, Software Quality Assurance.

### Technical skills

- **Operating Systems:** Windows
- **Programming Languages:** C++ and Python.
- **Scientific Softwares:** L<sup>A</sup>T<sub>E</sub>X and MS Office.

## REFEREES

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- **Prof. Sarbjeet Singh**  
CSE Deptt., UIET, Panjab University, Chandigarh, 160014, India.  
Email: sarbjeet@pu.ac.in.
- **Dr. WillaimJeet Singh**  
CSE Deptt., UCOE, Punjabi University, Patiala, 147001, India.  
Email: willamjeet@gmail.com.

## PERSONAL INFORMATION

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**Father's name**           ... S.Surinderpal Singh  
**Date of birth**           ... 31-Dec-1990  
**Gender**                 ... Female  
**Marital status**         ... Married  
**Permanent address**   ... Dasmesh Colony, Sirhind Raod, Morinda, Dist. Roopnagar, Punjab  
**Languages**            ... Hindi, Punjabi and English  
**Hobbies**                ... Cooking and Travelling.

## DECLARATION

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I hereby certify that all the information furnished above is correct to the best of my knowledge and belief.

(Gurmeet Kaur)