

ravleen.kaur@juitsolan.in

+91-8076801057

Delhi, India 110078

Education

Ph.D.:

AI in Healthcare

Netaji Subhas University Of Technology

New Delhi

Topic: Pain Detection using Deep Learning Models

08/2018

M.Tech.:

Information Technology

Delhi Technological University

New Delhi

Specialization: Information Systems

Thesis Title: Copy Move Forgery Detection Technique (Forgery detection of splicing image using GLCM image features using digital image processing)

Minor project: Digital Wallets

08/2015

B.Tech.:

Computer Engineering

Thapar University

Patiala

Major Project: Reserve Order Pay (Android App)

Minor Project: Online Shopping System

Skills

Teaching Interest

- Computer Programming
- Artificial Intelligence
- Machine Learning
- Data Mining
- High Performance Computing
- Operating Systems
- Data Privacy & Security

Technical Skills

- Python, AI, ML, NLP
- Data analysis

Ravleen Kaur

Experience

Netaji Subhas University Of Technology - Teaching Research Fellow

08/2022 - Current

Research Publications

Journal Articles

- Kaur, R., Bhatia, M. P. S., & Kumar, A. (2024). Am I Hurt?: evaluating psychological pain detection in Hindi text using transformer-based models. *ACM Transactions on Asian and Low-Resource Language Information Processing*, 23(8), 1-17.
- Kumar, A., Seewal, R., Jain, D., & Kaur, R. (2024). Framework for personalized chronic pain management: Harnessing AI and personality insights for effective care. *Journal of Artificial Intelligence and Technology*, 4(2), 132-144.

Book Chapter

- Kaur, R., & Bhatia, M. P. S. (2025). Managing Uncertainty in NLP: Advanced Techniques and Approaches. In *Transformative Natural Language Processing: Bridging Ambiguity in Healthcare, Legal, and Financial Applications* (pp. 101-130). Cham: Springer Nature Switzerland.

Conferences & Symposiums

- **3rd Doctoral Symposium (AY 2025-26)**, organized by Dept of Computer Science & Engineering, NIIT University, Neemrana (April, 2026)
- **3rd International Conference on Computing Systems and Intelligent Applications (ComSIA 2026)** Facial Expression Based Pain Recognition Using Imbalance-Aware Deep Learning, organised by University of Delhi & Silicon University (March 20-21, 2026)
- **4th Doctoral Symposium on Human-Centered Computing (HUMAN 2026)**, Bridging the Diagnostic Gap: Human-Centered Explainable AI for Non-Invasive Endometriosis Screening, organized by CSI Kolkata Chapter (March 28-29, 2026)
- **3rd Global Conference on Wireless Computing and Networking (GCWCN2025)**, organized by Sinhgad Institute of Technology, Lonavala, Pune (Nov 22-23, 2025).

Academic & Professional Development

Faculty Development Programs (FDPs)

- **Organizer**, Five-Day Faculty Development Program on Innovation and Entrepreneurship @ Netaji Subhas University of Technology (NSUT), New Delhi, in collaboration with **AICTE** and the **Ministry of Education's Innovation Cell**
- **Organizer**, Five-Day FDP on Development and Deployment of AIoT-based Solutions for Industrial Applications @ Netaji Subhas University of Technology (NSUT), New Delhi, sponsored by **SERB, India**
- **Participant**, Faculty Development Programme on AI Securities and Ethics Practices (AISEP), organized by **Electronics & ICT Academy, IIT Roorkee**, in association with NSUT

- Scientific writing
- Literature review
- Critical thinking
- Time management

- **Participant**, *Faculty Development Programme on AI in Medical Imaging*, organized by **Electronics & ICT Academy, IIT Roorkee**, in association with NSUT

Workshops & Training Programs Attended

- *Two-Day Workshop on Fundamentals of Deep Learning and its Applications for Security*, organized by the **Department of CSE, Netaji Subhas University of Technology (NSUT)**
- **NVIDIA Certification – Fundamentals of Deep Learning**
- Advanced Entrepreneurship-cum-Skill Development Programme on *Cyber Security Awareness*, sponsored by the **Ministry of MSME, Government of India**, conducted @ **NIT Sikkim**
- Remark Skill Education, *Technical Workshop on Data Science* conducted @ **IIT Roorkee**
- *One Week Online FDP on Machine Learning & Deep Learning for Data Science and Analytics using Python* conducted @ **NIT Jalandhar**
- **Six months of industrial training**, Sebiz Infotech Ltd., (Jan, 2015 - June, 2015)
- **IEEE Member**

Awards & Achievements

- **Premier Research Award** (for outstanding research contribution) held @ NSUT, Delhi.
- **Best Poster Award (2025)** at the Research Conclave, NSUT in collaboration with **American Chemical Society (ACS)**
- **UGC NET Qualified**
- **GATE Qualified**

Peer Review

- Active **Reviewer for international journals and conferences**
- Verified reviewer contributions available via ORCID: <https://orcid.org/0009-0008-9497-0337>

Summary

Doctoral research fellow with specialization in AI applications for healthcare. Expertise in data collection and analysis, effectively identifying trends to enhance healthcare practices. Focused on leveraging advanced technology to improve patient outcomes and optimize pain management strategies.

Declaration

I hereby declare that the details and information given above are complete and true to the best of my knowledge

Ravleen Kaur