

**Name** : Dr. Charul Nigam

**Designation** : Assistant Professor

**Department** : Computer Applications

**Qualification** : MCA, M.Tech(CSE), Ph.D

**Experience** : Teaching: 12 Years

**Area of Specialization(s):** Data Structure, Data Science, AI&ML

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**Ph.D guidance** :

### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D	Computer Science & Engineering	Career Point University, Kota, Rajasthan	2023
M.Tech	Computer Science & Engineering	Amity University, Noida, Uttar Pradesh	2016
MCA	Computer Applications	Guru Gobind Singh Indraprastha University, New Delhi	2012
BCA	Computer Applications	Guru Gobind Singh Indraprastha University, New Delhi	2009

### Book Publication

- Published book titled “**E-commerce**” for academic curriculum of Guru Gobind Singh Indraprastha University for BBA students. ISBN 978-9387684-27-0
- Published book titled “**Artificial Intelligence Principles and Intelligence**” ISBN 978-93-5787-717-5

## Presentations in Conference

### International

- Presented a research paper on “Adversarial Machine Learning for Robustness in Federated Learning Environments” in “**2nd Asia Pacific Conference on Innovation in Technology (APCIT2025)**” Sep 2025.
- Published a research paper on “AI-Powered Medical Image Analysis: Enhancing Radiology with Deep Learning-Based Image Segmentation” in “**International Conference on Emerging Technologies in Engineering Applications (ICETEA) IEEE Explore**” July 2025, ISSN No. 979-8-3315-1485-3/25.
- Published a research paper on “Big Data Analytics in IOT enabled Smart Healthcare System: A Machine Learning Survey” in “**IEEE Explore**” May 2025.
- Published a research paper on “Bridging Gaps: AI’s Role in Advancing Educational Equity Under NEP 2020” in **SAMIKHYA: A Multidisciplinary Research Journal of Mata Sundri College for Women**” June 2024.
- Published a research paper on “Real Time Object Detection on Edge Devices Using Mobile Neural Networks” in **IEEE Explore**” April 2024.

## Conference / Seminar / Workshop Organized/Resource Person

- Resource Person, Skill Enhancement Certificate Course on Generative AI and Predictive Analytics for Real-World Applications, Maharaja Agrasen Institute of Management Studies, Sep-Dec, 2025.

## Awards / Honors