



ANUJ MEHLA

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EDUCATION

Ph.D.(Machine Learning / Deep Learning) (Final stage)	2020 – Present
Department of Computer Science & Applications, Maharshi Dayanand University (MDU), Rohtak	
Dissertation focus: Deep Learning for crop yield prediction and agricultural intelligence	
M.C.A. (Master of Computer Applications)	2018
Department of Computer Science & Applications, MDU Rohtak	
B.C.A. (Computer Science & Applications)	2014
MDU Rohtak	

ACADEMIC EXPERIENCE

Assistant Professor: Computer Sciences

PIET, Sambhalkha Sonapat, Haryana

Sept 2023 – November 2023

SRM University Delhi-NCR, Sonapat, Haryana

November 2023 – September 2026

- Teaching core CS courses: Design and Analysis of Algorithms, Python Programming, Data Structures, Java Programming, Cyber Security, Compiler Design, and DBMS
- Serving as Departmental Placement Coordinator
- Faculty Coordinator, TechSpace Club, organizing tech events, and skill-building sessions
- Member, Department Project Committee, Industrial Visit Committee, and Alumni Committee
- Mentoring students in academic projects and independent research; guiding undergraduates and postgraduates in publication-ready work
- Actively organizing workshops, seminars, and inter-departmental academic events.

REVIEWER

1. Reviewer at 6th International Conference on Advances in Information Communication Technology and Computing (AICTC-2026) at BTU Bikaner.
2. Reviewer at 2026 International Conference on Emerging Trends in Networks and Computer Communications (ETNCC2026)" at Windhoek, Namibia.
3. Reviewer at ICDLAI-2025 (International Conference on Deep Learning and Visual Artificial Intelligence) at Jodhpur Institute of Engineering and Technology (JIET) in Jodhpur.
4. Reviewer at ICCICA-2024: International Conference on Computational Intelligence and Computing Applications-2024, PIET.

5. Reviewer, *Frontiers in Remote Sensing*, 2026

RESEARCH PUBLICATIONS

Journal Articles & Book Chapters

- [1] Mehla A., Deora S.S. ., Dahiya Neeraj "A multi-layer geo-adaptive stacking-based predictive architecture for Australian rainfall estimation to enhance agricultural productivity." *Discover Artificial Intelligence*, Springer Nature.
- [2] Mehla A., Singh Deora S., Dahiya Neeraj "A Multi-crop Ensemble Framework for Yield Prediction." *Indian Journal of Agricultural Research*.
- [3] Mehla A., Singh Deora S., Dalal S. "Improving Crop Yield Prediction Models with Optimization-Based Feature Selection and Filtering Approaches." *Indian Journal of Science and Technology*, 16(47): 4512–4524, 2023.
- [4] Mehla A., Deora S.S. "Use of Machine Learning and IoT in Agriculture." Book Chapter in *EAI/Springer Innovations in Communication and Computing*, pp. 277–293. DOI: 10.1007/978-3-031-04524-0_16, Springer, 2022.
- [1] Mehla A., Deora S.S. "A Deep Learning Based Diagnosis of Chest X-Rays for Multiple Diseases of Lungs: A Review." *Journal of Oriental Research Madras*. [UGC Listed]
- [2] Mehla A., Deora S.S. "Phenology Climate-Aware Multi-Scale Gated Transformer (PCAMSGT) for Indian Wheat Yield Prediction". *Scientific Reports*, Springer Nature [Under Review]
- [3] Mehla A., Deora S.S. "A Non-Negative Optimized Framework for Global Potato Yield Prediction with Spatiotemporal Validation and Trust Constrained". *Journal of Agriculture and Food Research*, Elsevier [Under Review]
- [4] Mehla A., Deora S.S. "A Seven-Layer Neuro-Ensemble Framework for Global Potato Yield Prediction with Conformal Uncertainty and Prescriptive Yield Gap Analysis". *Potato Research*, Springer Nature. [Under Review]

Conference Proceedings

- [5] A. Mehla, N. Dahiya and K. Singh, "AI-Driven Cloud Infrastructure Provisioning: Leveraging Machine Learning, Observability, and IaC for Autonomous Cloud Operations," 2025 International Conference on Emerging Trends in Networks and Computer Communications (ETNCC), Windhoek, Namibia, 2025, pp. 712–718, doi: 10.1109/ETNCC66224.2025.11299663.
- [6] Mehla A., Deora S.S. "Comparative Analysis of Various Machine Learning Models for Predicting Wheat Yield." 2024 2nd Int. Conf. on Advancement in Computation & Computer Technologies (InCACCT), IEEE, Gharuan, India, pp. 364–367. DOI: 10.1109/InCACCT61598.2024.10550984.
- [7] Mehla A., Deora S.S. "A Bibliometric Analysis of Machine Learning Techniques for Predicting Crop Yield." *Advancements in Communication and Systems*, SCRS, India, 2024, pp. 431–442. DOI: 10.56155/978-81-955020-7-3-38.
- [8] Mehla A., Deora S.S. "Crop Yield Prediction using a Hybrid DNN-CFS Model." *National Conf. on Computational Intelligence and Data Science (NCCIDS-24)*. [Best Paper Award]
- [9] Mehla A., Deora S.S. "Economic Implications of Machine Learning for Crop Yield Prediction." *Int. Conf. on Contemporary Issues in Business, Management & Economics (ICCIBME 2022)*.
- [10] Mehla A., Deora S.S. "Machine Learning Tools and Techniques for Agriculture." Book Chapter, *National Seminar*, Arya College Panipat. [Best Paper Award]

PUBLISHED PATENT APPLICATIONS

- ▶ "A System and Method for Temporal Analysis of Wheat Phenology to Quantify Pollution Stress and Predict Yield Loss" (with Dr. Sukhvinder Singh Deora). App. No. 202611031090, Indian Patent Office, 2026.
- ▶ "Predictive analytics for patient risk: real-time identification and flagging of high-risk patients". App. No. 202611064652, Indian Patent Office, 2026.
- ▶ "Real-Time Road Quality Intelligence for Enhancing Fleet Safety and Logistics Efficiency in India". App. No. 202611047995, Indian Patent Office, 2026.
- ▶ "Automated Waste Segregation System for a Waste Plant." App. No. 202511021248, Indian Patent Office, 2025.
- ▶ "Real-Time IoT Based Alcohol Content Detection System." App. No. 202511036820, Indian Patent Office, 2025.
- ▶ "Two-Wheeler Rider Safety Using Intelligent Real-Time Helmet Compliance and Engine Lock System (IRHC-ELS)." App. No. 202511031429, Indian Patent Office, 2025.
- ▶ "Intelligent Medical Waste Segregation System (Smart Medical-Bin)." App. No. 202511032118, Indian Patent Office, 2025.

RESEARCH & INDUSTRY PROJECTS

Intellectual Property Rights Management System (CSIR-CSIO)

2018

Develop end-to-end system development for the Council of Scientific and Industrial Research – Central Scientific Instruments Organization.

AWARDS, RECOGNITIONS & QUALIFICATIONS

- ▶ **Best Paper Award, IFTCIIT National Seminar, Arya College Panipat (2022)**
- ▶ **Best Paper Award, NCCIDS-24, MDU Rohtak (2024)**
- ▶ UGC NTA NET Qualified, December 2021, December 2019, July 2019, December 2018 (4 times)
- ▶ GATE 2021 Qualified, Computer Science & Information Technology
- ▶ HTET Qualified
- ▶ Team Leader, Rajasthan Hasura Hackathon 3.0, Udaipur (December 2017)
- ▶ Organizing Team Member, 21st National Youth Festival

COURSES TAUGHT

• Design and Analysis of Algorithms • Data Structures • Python Programming • Java Programming • Database Management Systems (DBMS) • Compiler Design • Cyber Security

RESEARCH INTERESTS

Machine Learning & Deep Learning • Precision Agriculture & Crop Intelligence • Explainable AI (XAI) & Agentic AI • IoT & Smart Infrastructure • Natural Language Processing • Cloud AI & MLOps

TECHNICAL SKILLS

Programming & Frameworks

Python, Java, TensorFlow, Scikit-learn, NumPy, Pandas, Seaborn, Plotly, GENAI, Agentic AI

ML/AI Tools

Deep Neural Networks, CNNs, Hybrid DNN-CFS, XGBoost, Feature Selection/Engineering, Stacking Ensembles, Object Detection, Transformers.

Data & Cloud

Data Engineering (IBM), Google Analytics, Microsoft Excel, Infrastructure-as-Code (IaC), Cloud Observability

Web & Databases

JDBC, Servlets, JSP, MySQL, DBMS

PROFESSIONAL DEVELOPMENT & CERTIFICATIONS

Faculty Development Programmes (FDPs)(selected)

- ▶ 7-Day FDP on Industry 5.0 and Beyond, BPIT, Delhi
- ▶ 3-Day FDP on TensorFlow, Department of CSE, SRM University, Sonepat
- ▶ FDP on Exploring Productivity organized by ACMA
- ▶ FDP on Research Methodology: A Roadmap to Effective Research, organized by SRMUH
- ▶ FDP on “Role of Effective Leadership” organized by SRMUH
- ▶ Generative AI Deep Dive: From Fundamentals to Advanced Techniques, Xebia Academy and SRM
- ▶ One week workshop on Research Methodology organized by Ch. Ranbir Singh Institute of Social & Economic Change, Faculty of Physical Sciences & UIET, May 11-17, 2020.

Course Certifications (selected)

- ▶ Machine Learning: Classification & Regression , University of Washington (98%)
- ▶ Machine Learning Foundations: A Case Study Approach, University of Washington (97.89%)
- ▶ Applied Plotting, Charting & Data Representation in Python, University of Michigan (100%)
- ▶ Introduction to Data Science in Python, University of Michigan (97%)
- ▶ Python for Data Science, AI & Development, IBM (98.80%)
- ▶ Python Project for Data Engineering / Introduction to Data Engineering, IBM (100%)
- ▶ ASP.NET Core Foundations, Cert. ID: Y6JJ080425 (April 2025)
- ▶ Data Analytics Essentials Course by CISCO Networking Academy (February,2024)
- ▶ Generative AI Mastermind course by Outskill
- ▶ Advanced Java Programming, KVCH, New Delhi (2017)

ACADEMIC SERVICE & OUTREACH

- ▶ Departmental Placement Coordinator, SRM University (2023–December 2025)
- ▶ Faculty Coordinator, TechSpace Club, SRM University (August 2025- December 2025)
- ▶ Department Project Committee Member, SRM University (April 2024- August 2025)
- ▶ Alumni Committee Member, SRM University (March 2024-December 2025)
- ▶ BOS Committee Member, Department of Computer Science, SRM University (2024-2025)
- ▶ Curriculum Revision Committee Member, Department of Computer Science, SRM University (2024-2025)
- ▶ Student Mentor, guiding UG/PG students in research projects and publication (December 2023-December 2025)
- ▶ Member of the SRM 3rd Convocation Degree Distribution & Degree Verification Team (November 2025)

- ▶ Organized Java: DSA Bootcamp (6-Day Workshop) as Faculty Coordinator (25–26 Sept, 30 Sept–1 Oct, & 30–31 Oct 2025)
 - ▶ Organized DevOps Hands-on Workshop as Faculty Coordinator (18 November 2025) — Distinguished Speaker: Mr. Sachin Davre (AXA XL)
 - ▶ Organized Java GUI Workshop as Faculty Coordinator (19 November 2025) — Distinguished Speaker: Mr. Yatharth (Google Cloud Services)
 - ▶ Organized One-Day Workshop on "Startup Insights" as Faculty Coordinator (19 November 2025) — Distinguished Speaker: Mr. Virender Sharma (Member, NITI Aayog)
 - ▶ Organized One-Day Workshop on "Cyber Hygiene and Frequency Hacking" as Faculty Coordinator (18 March 2025) — Distinguished Speaker: Mr. Vinay Sharma (Certified Ethical Hacker, CETF)
 - ▶ Organized/Coordinated Multiple Industrial Visits as a Departmental Industrial visits Faculty co-coordinator of SRM University,
1. ISRO, Jodhpur | Led a delegation of 85 students for an aerospace & remote sensing tour | Nov 2024
 2. ARIES, Nainital | Coordinated an observational sciences field trip for 82 students | Feb 2025
 3. STPI, Mohali | Organized a technical industrial visit for 35 students to study software clusters | Sep 2024

I hereby declare that the information furnished above is true and correct to the best of my knowledge.