



**Dr. Praveen Modi**

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🌐 LinkedIn Profile

## EXPERIENCE

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- **Assistant Professor, Jaypee University of Information Technology** *July 2018 - Present*  
*Solan, Himachal Pradesh, India* **Regular**
  - Technical Program Organizer: Datathon and Boot-Camp
  - Technical Paper Reviewer in Conference(s): Parallel Distributed & Grid Computing, International Conference on Image & Information Processing
  - Btech Project Guide based on Machine Learning, Deep-Learning, Information Security
  - Provide a letter of recommendation for pursuing higher studies in Florida University, USA
- **Assistant Professor, GLA University** *July 2017 – March 2018*  
*Mathura, Uttar Pradesh, India* **Regular**
  - Btech Project Guide based on Machine Learning, Deep-Learning, Information Security
  - Served as a role of Warden ship
- **Assistant Professor, Madhav Institute of Technology & Science** *July 2014 – May 2015*  
*Gwalior, Madhya Pradesh, India* **Contract**
- **Lecturer, University Institute of Technology, RGPV** *Jan 2014 – Jun 2014*  
*Bhopal, Madhya Pradesh, India* **Contract**

## EDUCATION

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- **Doctor of Philosophy (PhD), Machine Learning** *Jan 2019 – Oct 2024*  
*Jaypee University of Information Technology, Solan, Himachal Pradesh, India* **CGPA-8.0, Awarded**  
Thesis Title: Design of Efficient Classifiers for Diabetic Retinopathy
- **Master of Technology (M.Tech), Computer Science Engineering** *July 2015 – Jun 2017*  
*ABV Indian Institute of Information Technology & Management, Gwalior, Madhya Pradesh, India* **CGPA-7.9, Awarded**  
Thesis Title: Large Relational Database Compression using Semantic Analysis Technique
- **Bachelor of Engineering (BE), Information Technology** *July 2007 – Jun 2011*  
*Lakshmi Narain College of Technology, Bhopal, Madhya Pradesh, India* **Perc-69.31%, Awarded**

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** Python, Matlab, SQL, C/C++

**Subject of Interest:** Machine Learning, Computer Architecture, Data Structure, Database Management System, Theory of Computation

## ACHIEVEMENT & AWARDS

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- **Appeared for Assistant Professor Interview through UPSC** *June 2023*  
*Union Public Service Commission, India*
- **Graduate Aptitude Test in Engineering(GATE)** *Highest Score-734, March 2016*  
*Indian Institute of Technology, Bombay, India* Qualified - 10 times
- **Appeared for Scientist-B Interview in ISRO** *Oct 2019 and Feb 2016*  
*Indian Space Research Organization, India*

## CURRICULAR ACTIVITIES SINCE JAN 2022

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- **National/ International Conferences**
  - *Parallel Distributed Grid Computing (PDGC)* *Dec 2022*  
*Jaypee University of Information Technology, Solan, H.P* Nov 2020, Dec 2018
  - *International Conference on Image & Information Processing (ICIIP)* *Nov 2023*  
*Jaypee University of Information Technology, Solan, H.P* Nov 2021, Oct 2019,

## •Technical Program Committee member

- *International Conference on Emerging Techniques in Computational Intelligence (ICETCI)*  
Mahindra University, Hyderabad, India 22-24 Aug, 2024
- *International Conference on Intelligent System and Embedded Design(ISED)*  
Dehradun Institute of Technology University, Dehradun,UK, India 15-17, Dec, 2023
- *International Conference on Image and Information Processing(ICIIP)*  
Jaypee University of Information Technology, Solan, H.P 22-24, Nov, 2023

## •Faculty Development Program

- *NEP-2020 Orientation and Sensitization Program under Malviya Mission Teacher Training Programme*  
Himachal Pradesh University, Shimla, H.P,India 12-20 Aug, 2024
- *Growing Role of Machine Learning in Cyber-Security*  
Jaypee University of Information Technology, Solan, H.P, India 13-24 Jul, 2022
- *Data Analytics and its Research Perspectives*  
Indian Institute of information Technology Design & Management, Jabalpur M.P, India 06-11 Jun, 2022
- *Block chain and Applications*  
Jaypee University of Information Technology, Solan, H.P, India 03-08 Jan, 2022

## PUBLICATION LIST

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### •SCI Published

- 1.Modi, Praveen, and Yugal Kumar. "Smart Detection and Diagnosis of Diabetic Retinopathy Using Bat Based Feature Selection Algorithm and Deep Forest Technique." *Computers & Industrial Engineering* (2023): 109364. <https://doi.org/10.1016/j.cie.2023.109364> **IF: 8.13**

### •SCOPUS Published

- 1.Modi, Praveen, and Yugal Kumar. "An Effective Diabetic Retinopathy Detection System using Deep Belief Nets and Adaptive Learning in Cloud Environment." *Scalable Computing: Practice and Experience* 24.2 (2023): 97-114.<https://doi.org/10.12694/scpe.v24i2.2117>
- 2.Modi and Y. Kumar, "Detection of Diabetic Retinopathy Using BA- Deep Forest Based Intelligent Model", *GMSARN International Journal* Vol:18 No.4 (2024), pp. 455-471

### •CONFERENCE Published

- 1.Modi and Y. Kumar, "Augmentation Based Diabetic Retinopathy System Using Fundus Images," 2022 Seventh International Conference on Parallel, Distributed and Grid Computing (PDGC), Solan, Himachal Pradesh, India, 2022, pp. 108-112, doi:10.1109/PDGC56933.2022.10053145.
- 2.P. Modi and Y. Kumar, "CNN-MLP Based Prediction Model for Grading of Diabetic Retinopathy," 2022 Seventh International Conference on Parallel, Distributed and Grid Computing (PDGC), Solan, Himachal Pradesh, India, 2022, pp. 739-743, doi:10.1109/PDGC56933.2022.10053138.

## REFERENCES

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### •Prof. Joydip Dhar

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### •Associate Prof. Dr. Yugal Kumar

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