



## **Shilpa Jaiswar**

**Assistant Professor, School of Computer Application**

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### **Educational Qualification:**

MCA (MCRPV, Bhopal), BSc (BU, Bhopal)

### **Total Experience:**

Academic: 3.5 years

### **Areas of Interest:**

Cyber Security, Data Science, Cloud Computing.

### **Brief Profile:**

Miss Shilpa Jaiswar, an Assistant Professor at the School of Computer Application. I hold a Master's degree in Computer Applications from MCRPV, Bhopal, and a Bachelor's degree in Science from BU, Bhopal. With over 3.5 years of academic experience, I specialize in Cyber Security, Data Science, and Cloud Computing. I have also earned several NPTEL certifications, which have further enhanced my expertise in these areas. My research contributions are reflected in numerous publications in reputable journals, demonstrating my commitment to academic excellence. I am dedicated to fostering a stimulating learning environment that encourages student engagement and growth, and I welcome opportunities for collaboration and discussion in both academic and research contexts.

### **Research publications in International Journal:**

- The Role of Machine Learning in Modern Malware Detection: Techniques and Challenges Published in IJRAR, Volume 11, Issue 3 August 2024.
- Adaptive Intrusion Detection Using Deep Reinforcement Learning: A Novel Approach Has Published in IJARESM, Impact Factor: 8.536, Volume 12 Issue 5, May 2024.

### **Papers presented in International Conferences:**

- Security Features in Fingerprint Biometric System published in IJAETS, Volume 5 Issue 1 2024.

### **International/National Conference & Workshops Attended:**

- PSIT College of Engineering, Kanpur successfully completed the AICTE sponsored Two-Days Online National Conference on "**Documenting Innovation and Creativity in Engineering (DICE-2021)**" on 25th September 2021 and 26th September 2021.
- Certificate for One day National Webinar titled "**GST - Implementation and Challenges**" held on 02 January 2021 at Laxmipati College, Bhopal

- **Recent Trends IN Computational Intelligence 2023** CSE/IT/MCA LNCT GROUP Bhopal/ LNCT University 30/06/2023 to 01/07/2023.
- **Innovative & Emerging Trends in Electrical, Electronics and Computer Engineering** organized by LNCT Group of College, Bhopal from 29/06/2022 to 30/06/2022.
- **“Importance of Assistive Technologies in Higher Education for Differently Abled Learners”**, Organized by **School of Information Technology and Engineering of Vellore Institute of Technology, Vellore, India** Sponsor by Co-funded by the Erasmus+ Program of the European Union & VIT & DIVERSASIA on 18.07.2023
- **How to Integrate the United Nations Sustainable Development Goals into your teaching?** Organized by BRITISH COUNCIL Sponsored by National Digital Library of India on 21/07/2023.

## **FDP Attended:**

- In-person Faculty buildathon cloud app Development with Red Hat OpenShift. powered by SmartInterns IBM Skillbuild from July 31, 2023 to Aug 04, 2023.
- One week National Level Faculty Development program on Cloud Infrastructure (AWS) organized by Dept.of CSE, JNTUK University College of Engineering Narasaraopet, Andhra Pradesh in collaboration with Brainovision Solutions India Pvt Ltd and AICTE. from 21 Aug 2023 to 25 Aug 2023.
- One Week Faculty Development Programme on Fundamentals of Machine Learning and Deep Learning organized by NITTTR Kolkata from 25th September to 29th September, 2023.
- One Week Faculty Development Programme on R Programming organized by NITTTR Kolkata. from 9th October to 13th October, 2023.
- Data Science and Machine Learning at SAMRAT ASHOK TECHNOLOGICAL INSTITUTE from 01/01/2024 to 06/01/2024. Sponsored by AICTE Training and Learning (ATAL) Academy.
- One week online faculty development programme on "Effective Teaching Pedagogy: Strategies for Engaging and Empowering Learners" organized by

Department of Humanities and Physical Education CT University, Ludhiana, Punjab March,11-17, 2024.

- One Week Faculty Development Program on Methods for Improving Higher Education Teaching Quality Using Outcome Based Education, Pedagogical Approaches and NEP 2020 (OBENEP24)". 22nd - 26th, July, 2024, Organized by Department of Computer Science & Engineering, in association with IQAC, Haldia Institute of Technology.
- Five days faculty development program on “ Innovation in Recent Trends and Research Applications on Computing and Informatics” organized by the Department of Information Technology in association with IQAC, Haldia Institute of Technology during 29 th July- 02 August, 2024.
- One Week Faculty Development Program on "SUSTAINABLE DEVELOPMENT IN INDUSTRY 5.0 WITH AI during 05th to 09th August, 2024, Organized by the Department of Computer Science & Engineering (Artificial Intelligence & Machine Learning), Haldia Institute of Technology.

### **Awards/Recognitions:**

- Cyber Security and Privacy by **NPTEL Online Certificate.**
- Digital Forensic Online Certificate by **SWAYAM.**
- Privacy and Security in Online Social Media by **NPTEL Online Certificate.**
- Journey of Cloud: envisioning your solution Certified by **IBM.**
- Getting Started with Enterprise Data Science Certified by **IBM.**
- Introduction to Cyber Security Certified by **CISCO Network Academy.**

### **Workshops/Seminars/Conference Organized:**

NIL

### **Membership of Professional Bodies:**

NIL

### **Patent Published:**

- AN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED AUTOMATED SYSTEM FOR BIOLOGICAL DATA. Application No.- 202121054610,10/12/2021,Indian Patent.
- A NOVEL APPROACH TO DNA SEQUENCE CLASSIFICATION MACHINE LEARNING AND PATTERN MATCHING. Application No.- 202421011920,15/03/2024, Indian Patent.

## **BOOKS:**

- Machine Learning: A Complete Overview Publication Academic Guru Publishing House year 2022 ISBN No. 987-93-94339-13-2
- Basic Principles of Digital Engineering Publication Academic Guru Publishing House year 2022 ISBN No. 987-93-95936-52-1
- IT Strategy & Innovation Publication Academic Guru Publishing House year 2023 ISBN No. 978-81-9843-93-0

## **Other Achievements:**

NIL