Profile

Name-:   Dr. Rakesh Kumar Pathak

Designation-: Assistant Professor
               School of Computer Science
               Xavier University, Patna
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Qualifications:-

- PhD 2023
- MCA -2005
- M. Tech (IT) – 2011
- UGC NET-2012

Area of Specialization: AI, Data Analytics, ML & DL, Programming Languages like c, c++, java, python, MS.NET, C# and VB.NET, DSA, COA, Computer Network, RDBMS, OS & UNIX,

Work Experience - 18 Years of Teaching Experience at MCA, BCA and B. Tech

- Currently working as Assistant Professor in the School of Computer Science at Xavier University, Patna
- IGNOU – MCA and BCA from Jan 2007 to June 2013 regular basis and from July 2013 onwards weekends.
- Worked as visiting faculty in NIT Patna of Data structure Even Semester 2010 for B. Tech (IT)
- Worked as coordinator of BCA in SXCMT from July 2013 to June 2020.

Publications

1. "Role of Artificial Intelligence enabled technologies in analyzing consumer sentiment: A new way to reach-out consumers world" Journal of Informatics Education and Research ISSN: 1526-4726 Vol 5 Issue 1 (2025)
2. "Recruitment Process using Federated AI: An Unbiased Approach" International Research Journal on Advanced Engineering and Management (IRJAEM)
3. "An Anomaly and Fraud Detection Model in Online Financial Transactions: A Machine Learning Approach" International Journal of Innovations In Science Engineering And Management(iijsem) 2025
4. "Collaborating Generative AI with Federated Learning To Enhance Outcome Based Education System " International Research Journal on Advanced Engineering and Management (IRJAEM)(2025)
5. Integration of Digital Twins Technologies in Education for Experiential learning: Benefits and Challenges, International Research Journal on Advanced Engineering Hub (IRJAEH) e ISSN: 2584-2137, Vol. 02 Issue: 03 March 2024, Page No: 442 – 449, https://irjaeh.com, https://doi.org/10.47392/IRJAEH.2024.0064
6. Fraud Detection in Financial Transactions Using Credit Card: A Machine Learning Mode, International Research Journal on Advanced Engineering Hub (IRJAEH), e ISSN: 2584-

2137, Vol. 02 Issue: 05 May 2024, Page No: 1427 – 1434, https://irjaeh.com, https://doi.org/10.47392/IRJAEH.2024.0196

7. Proposed framework for campus wide IoT Network: An Approach to Make Smart College Campus – published in September 2021 in Indian Research Bulletin, peer reviewed quarterly journal, Volume XXXI, Issue III

8. Major Security Threats to IoT Network: Proposed Framework of Detection of Threats and Alleviation Mechanism – Published in International Journal for Research and Studies, Bi-yearly Peer Reviewed Refereed Research Journal, Volume XIV, Issue -1.

9. Proposed Framework for : Empowerment, IoT and Intelligent Agents for Women Safety, Published in the edited book Women Empowerment: Revisioning Identities and Building Strategies for a Participatory Society- InSc Publishing House

Book Chapter published

Chapter Title –
Cybersecurity Framework for Protecting Connected Vehicles in Intelligent Transportation Systems
Book Title –
Urban Mobility and Challenges of Intelligent Transportation System
IGI Global Scientific Publishing
Scopus Indexed - https://www.igi-global.com/book/urban-mobility-challenges-intelligent-transportation/349889

Memberships

Life member of Computer society of India since April, 2016

Life member of AICHE since October, 2013