KUNAL MAHTO

✉ kunalmahtogpa@gmail.com 🌐 9470312947 📍 Adityapur, Jamshedpur, Jharkhand

👤 Career Objective

"With over 8 years of experience in education, my career objective is to leverage my extensive knowledge and passion for teaching to inspire and empower students. I aim to design and implement effective, student-centred learning strategies that promote critical thinking and personal growth. Committed to professional development, I seek to collaborate with colleagues and contribute to a college's mission by enhancing curriculum standards and fostering a positive learning environment."

💼 Work History

Lecturer (NBL), 2016 to Current
Government Polytechnic Adityapur

Software Engineer, 2015 to 2016
COSAS Solutions Pvt. Ltd.

🎓 Education

PhD   **Pursuing**
Birsa Institute of Technology (BIT) Sindri, Dhanbad

M. Tech. (CSE)   **2021**
BPUT Rourkela

B. Tech. (IT)   **2015**
Birsa Institute of Technology (BIT) Sindri, Dhanbad

Diploma (IT)   **2011**
Government Polytechnic Adityapur

🎓 SWAYAM Certifications

Computer Networks and Internet Protocol   **Jan–Apr 2022**
Indian Institute of Technology (IIT) Kharagpur

Cryptography and Network Security   **Jul–Oct 2022**
Indian Institute of Technology (IIT) Kharagpur

Introduction to Industry 4.0 and IIoT   **Jul–Oct 2022**
Indian Institute of Technology (IIT) Kharagpur

Deep Learning   **Jul–Oct 2022**
Indian Institute of Technology (IIT) Madras

AICTE Faculty Development Programs

Internet of Things (IoT)
Indian Institute of Information Technology (IIIT) Allahabad

Wearable Devices
Kongu Engineering College, Erode, Tamilnadu

GIS and Remote Sensing
Government Engineering College, Bilaspur

Cyber Security Analytics and Cyber Forensics
Saintgits Engineering College, Kottayam, Kerala

Machine Learning Applications to IoT
Velammal College of Engineering and Technology, Madurai

Certifications

Deep Learning for Digital Health: Technology and Business   **2 Days**
Indian Institute of Technology (IIT) Patna

Empowering Research through AI Tools : Hands-on Journey   **FDP – 1 Week**
Shree K. R. Katara Arts College, Shamlaji

Outcome Based Education: Learning and Assessment under NEP   **FDP – 1 Week**
IMS Ghaziabad

Data Science and Machine Learning using Python for Beginners   **FDP – 2 Weeks**
National Institute of Technology, Patna & Birsa Institute of Technology (BIT), Sindri

Entrepreneurship   **STTP – 2 Weeks**
Birsa Institute of Technology (BIT), Sindri

Unleashing the Power of AI Tools in Teaching   **FDP – 1 Week**
KIIT College of Education, Gurugram, Haryana

NEP 2020 Orientation & Sensitization Programme   **MM–TTP – 1 Week**
MMTTC, Indian Institute of Technology (IIT) Patna

Application of Remote Sensing and GIS in Regional Planning   **Short Term Course**
National Institute of Technology (NIT) Patna

Conference

Evaluating Neural Network Techniques in Intrusion Detection Systems : A Focus on CNN and Hybrid Strategies
International Conference on Ancient Mathematics & Science for Computing (AMSCO2K23)
Department of Mathematics, KIT Bhubaneswar, Odisha
Date of Conference : 22/12/2023 to 23/12/2023

AI/ML Applications in Agriculture – Retrieving Wheat Crop Traits from UAV–Borne Hyperspectral Images using Hybrid Machine Learning Models
International Conference on Artificial Intelligence in the Advancement of Science and Engineering
Mangalayatan University & Airo Journals
Date of Conference : 28/07/2024 to 29/07/2024

International Journals

Kunal Mahto, S. C. Dutta, and L. Manjhi, "Evaluating Neural Network Techniques in Intrusion Detection Systems: A Focus on CNN and Hybrid Strategies", *International Journal of Students' Research in Technology & Management*, vol. 12, no. 1, pp. 11–14, Mar. 2024.
https://doi.org/10.18510/ijsrtm.2024.1212

Kunal Mahto and S. C. Dutta, "AI/ML Applications in Agriculture: Retrieving Wheat Crop Traits From UAV-Borne Hyperspectral Images Using Hybrid Machine Learning Models", *Airo Journal*, pp. 109–120, July 2024, ISBN : 978-93-95305-72-3.

Workshops

Unearth The Secrets of Natural Language Processing–ISTE Approved   **One Week**
Vidyalankar Institute of Technology, Wadala (E), Mumbai

Research Oriented Technical Writing (ROTW–2023)   **One Week**
National Institute of Technology (NIT) Jamshedpur

Conceptual Blockchain: An Application Portfolio   **One Day**
Indian Institute of Technology(ISM), Dhanbad

Embracing Diversity: Expanding Research Perspectives in Computer Science   **One Week**
Amity University, Punjab

BASIC ROBOTICS TO UNDERWATER EXPLORATION USING AUVs AND ROVs   **One Week**
National Institute of Technology (NIT) Jamshedpur

NITTTR Certification

Effective Teaching and Research   **1 Week (22/07/2024–26/07/2024)**
NiTTTR Kolkata

Webinars / Seminars

Artificial Intelligence : Science of Present and Future
Chandil Polytechnic Chandil

Academic Research Integrity and Research Paper Writing
CTES College of Architecture, Chembur, Mumbai

Bring Out the More in You
L&T EduTech

Engineering Data Analysis for Excel Users: An Introduction to MATLAB
MathWorks

Declaration

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.