**Faculty Profile Template**

1. **Basic Information**

* **Name**: **DEVBRAT SAHU**
* **Designation**: Assistant Professor
* **Department/School**: Computer Science & Engineering
* **Institution Name**: SSIPMT, Raipur
* **Email ID**: [devbratsahu@gmail.com](mailto:devbratsahu@gmail.com), devbrat@ssipmt.com
* **Contact Number**: 9752959353
* **Photograph**: 

1. **Educational Qualifications**

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| --- | --- | --- | --- |
| **Degree** | **Specialization** | **Institution** | **Year of Completion** |
| UG | B.E.(I.T.) | CCEM, Raipur | 2012 |
| PG | MTech. (CSE) | CSIT, Durg | 2015 |
| Ph.D. | Ph.D. (CSE) | MATS, Raipur | Pursuing |

1. **Teaching & Research Experience**

* **Total Teaching Experience**: 10 Years 6 Months
* **Research Experience**: 4 Years

1. **Research Interests / Specialization**

* Artificial intelligence, Machine Learning, Data Science, Computer Network, Deep Learning

1. **Publications (Last 5 Years)**

* **Journals (APA/IEEE format)**

Saw, A. K., Arya, C., Sahu, D., & Shrivas, S. (2022). Speech emotion recognition using machine learning. *International journal of health sciences*, *6*(S1), 14313-14321.

Janghel, G., Nikunj, K., Sahu, D., & Sahu, M. K. (2022). Menstruation Blood Classifier: Color Analysis Using Artificial Intelligence. *Mathematical Statistician and Engineering Applications*, *71*(4), 9575-9579.

* **Conference Proceedings**

Sonkar, A., Sahu, S. K., Nayak, A., Sahu, D., Verma, P., & Tiwari, R. (2024, June). An Efficient Privacy-Preserving Machine Learning for Blockchain Network. In *2023 4th International Conference on Intelligent Technologies (CONIT)* (pp. 1-6). IEEE.

Sahu, D., Anil, N. V., Gupta, Y., & Sahu, R. (2025, June). AI-Enhanced ABE Public Key Cryptography: A Hybrid Approach Using Vigenère and Polybius Cipher. In *International Conference on Advances and Applications in Artificial Intelligence (ICAAAI 2025)* (pp. 638-645). Atlantis Press.

* **Book Chapters / Books Authored**

Nayak, J., & Sahu, D. (2022). Deep Learning Based Pneumonia Infection Classification in Chest X-ray Images Using Convolutional Neural Network Model. In *Distributed Computing and Optimization Techniques: Select Proceedings of ICDCOT 2021* (pp. 273-283). Singapore: Springer Nature Singapore.

1. **Web Presence**

Google Scholar

ORCID