

Curriculum Vitae

Mr. Aditya Kumar Sahu

Dept. of CSE, GMRIT, Rajam

B.Tech, M.Tech, **Ph.D (Thesis Submitted)**

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OBJECTIVE:

To work with a reputed organisation that will provide me a good platform to utilize my teaching, research and administration skills.

Permanent Address:

C/O- Laxmichand Sahu
Sano Achanba, Panasaguda
Gunupur, Rayagada,
Odisha-765023, India

Correspondence Address:

Department of C.S.E
GMRIT, Rajam
Srikakulam
Andhra Pradesh-532127, India

WORK EXPERIENCE (12 years)

- Working as an Assistant Professor in Department of Computer Science & Engineering, in **GMRIT, Rajam**, Andhra Pradesh, ISO 9001-2008 Certified, NAAC A Grade, from **June 2017 to Present**.
- Worked as an Assistant Professor in Department of Computer Science & Engineering, **DST-FIST** sponsored in **KL University, Vijayawada**, Andhra Pradesh, ISO 9001-2008 Certified, NAAC A Grade, u/s 3 of UGC act 1956 from **June 2015 to May 2017**.
- Worked as an Assistant Professor in Computer Science & Information Technology at **MITS, Rayagada**, Orissa, ISO 9001 certified Degree affiliated to B.P.U.T University, Rourkela (Orissa) from **April 2012 to May 2015**.
- Worked as a Senior Lecturer in Computer Science in **GATE, Berhampur**, Orissa, ISO 9001 certified Degree affiliated to B.P.U.T University, Rourkela (Orissa) from **Aug 2011 to March 2012**.
- Worked as a Lecturer in Computer Science & Information Technology in **MITS, Rayagada**, Orissa, ISO 9001 certified Degree affiliated to B.P.U.T University, Rourkela (Orissa) from **July 2007 to July 2011**.

TECHNICAL QUALIFICATIONS

Degree : **Doctor of Philosophy. (Ph.D.) (Thesis Submitted)**

Branch : Computer Science & Engineering

University : **KL University, Vijayawada**

Research area: **Digital Image Steganography**

Degree : **Master of Technology (M.TECH) in 2011**

Branch : Computer Science.

College : **Majhigharini Institute of Technology and Science, (MITS), Rayagada**

University : Berhampur University, Berhampur, Orissa

Degree : **Bachelor of Technology (B.TECH) in 2007**

Branch : Information Technology.

College : **Gandhi Institute of Engineering & Technology (G.I.E.T), Gunupur**

University : B.P.U.T, Rourkela, Orissa

Degree : **10+2 in 2003**

Branch : Science

College : **Gunupur College, Gunupur**

University : C.H.S.E, Orissa

Degree : **10th class in 2001**

School : **S.L.N.M High School, Gunupur**

Board : H.S.E, Orissa

JOURNAL (14), BOOK CHAPTER (1) & CONFERENCE: (6)

1. **Aditya Kumar Sahu**, Gandharba Swain. "An Optimal Information Hiding Approach Based on Pixel Value Differencing and Modulus Function", **Wireless Personal Communications, Springer**, 108(1), 159-174, 2019, **(Indexed in SCIE, Scopus)**. SJR:0.252, SNIP:0.685. (Free)
2. **Aditya Kumar Sahu**, Gandharba Swain. "High Fidelity based Reversible Data Hiding using Modified LSB Matching and Pixel Difference", **Journal of King Saud University - Computer and Information Sciences, Elsevier**, 2019, **(Indexed in Scopus and**

- ESCI). (Article in press). <https://doi.org/10.1016/j.jksuci.2019.07.004>. SJR:0.433, SNIP:1.897. (Free)
3. Aditya Kumar Sahu, Gandharba Swain. "Reversible Image Steganography using dual-layer LSB matching", *Sensing and Imaging*, **Springer**, 2019. (Indexed in Scopus and ESCI). SJR:0.221, SNIP:0.557. Accepted. (Free)
 4. **Aditya Kumar Sahu**, Gandharba Swain. "A novel n-rightmost bit replacement image steganography technique", **3D Research**, **Springer**, 2019, 10(1), 1-18. (Indexed in Scopus and ESCI). SJR:0.242, SNIP:0.762. (Free)
 5. **Aditya Kumar Sahu**, Gandharba Swain. "A Novel Multi Stego-Image based Data Hiding Method for Gray Scale Image", **Pertanika Journal of Science & Technology**, 27(2), 753-768, 2019, (Indexed in Scopus and ESCI). SJR:0.131, SNIP:0.252. (Free)
 6. **Aditya Kumar Sahu**, Gandharba Swain. "Data hiding using adaptive LSB and PVD technique resisting PDH and RS-analysis", **International Journal of Electronic Security and Digital Forensics**, **Inderscience**, 11(4), 2019, 458-476 (Indexed in Scopus). SJR:0.135, SNIP:0.311. (Free)
 7. **Aditya Kumar Sahu**, Gandharba Swain. "Digital Image Steganography using PVD and Modulo Operation", **Internetworking Indonesian Journal**. 10(2), 3-13, 2019 (Indexed in Scopus and ESCI). SJR:0.122, SNIP:0.492. (Free)
 8. **Aditya Kumar Sahu**, Gandharba Swain. "Dual Stego-imaging based Reversible Data Hiding using Improved LSB Matching", **International Journal of Intelligent Engineering and Systems**, 12(5), 2019, (Indexed in Scopus). SJR:0.187, SNIP:0.592.
 9. **Aditya Kumar Sahu**, Gandharba Swain. "Pixel Overlapping Image Steganography using PVD and Modulus Function", **3D Research**, **Springer**, 9(3), 1-14, 2018. (Indexed in Scopus and ESCI). SJR:0.242, SNIP:0.762. (Free)
 10. **Aditya Kumar Sahu**, Gandharba Swain. "An Improved Information Hiding Method Using Group of Bits Substitution", **International Journal on Communications Antenna and Propagation (IRECAP)**, 7(2). 162-167, 2017. (Indexed in Scopus). SJR:0.300, SNIP:0.745.
 11. **Aditya Kumar Sahu**, Gandharba Swain. "An Improved Data Hiding Technique Using Bit Differencing and LSB Matching", **Internetworking Indonesian Journal**, 10(1), 17-21, 2018. (Indexed in Scopus and ESCI). SJR:0.122, SNIP:0.492. (Free)

12. **Aditya Kumar Sahu**, Gandharba Swain, Suresh Babu E. “Digital Image Steganography Using Bit Flipping” **Cybernetics and Information Technologies**. 18(1), 69-80, 2018 (**Indexed in Scopus and ESCI**). SJR:0.215, SNIP:0.595. (Free)
13. **Aditya Kumar Sahu**, Gandharba Swain. “An improved LSB and PVD based method for high hiding capacity and avoiding fall off boundary problem”. **Elsevier book chapter**, DMS 2020, Accepted. (Indexed in Scopus). (Free)
14. **Aditya Kumar Sahu**, Gandharba Swain. “A review on LSB substitution and PVD based image steganography techniques”. **Indonesian Journal of Electrical Engineering and Computer Science**, 2(3), 712-719, 2016. (**Indexed in Scopus**). SJR:0.238, SNIP:0.724.
15. **Aditya Kumar Sahu** and Monalisa Sahu. “Digital Image Steganography Techniques in Spatial Domain: A Study”, 2016 8(4), 5205-5217, **International Journal of Pharmacy and Technology (IJPT)**. (**Indexed in Scopus**).
16. S. R. Jena, V. V. Raja and **Aditya Kumar Sahu**. “Performance Evaluation of Energy Efficient Power Models for Digital Cloud”, 2016, **Indian journal of science and technology (IJST)**, Vol 9(48), DOI: 10.17485/ijst/2016/v9i48/105639, (**Indexed in Scopus**).
17. A. Pradhan, **Aditya Kumar Sahu**, Gandharba Swain and K. R. Sekhar. "Performance Evaluation Parameters of Image Steganography Techniques," 2016 **International Conference on Research Advances in Integrated Navigation Systems (RAINS), IEEE digital explore**, Bangalore, 2016, 1-8. DOI: 10.1109/ RAINS.2016.7764399, (**Indexed in Scopus**).
18. **Aditya Kumar Sahu** and A. K Panda. “Online Hotel Accommodation using Hybrid Recommender System”, 2011 Proceedings of the joint international conference on **SEMCCO & FANCCO 2011, Springer**, vol III, 53-56.
19. **Aditya Kumar Sahu** and Sahu Monalisa. “Data mining techniques”. Proceedings of National Conference Advances in communication, navigation & Computer networks (ACNCN-2012) by **IEEE Hyderabad section**, Andhra University, Visakhapatnam 2012, India, 2012. 47-49.
20. **Aditya Kumar Sahu** and Monalisa Sahu, Lakshmi Swain. “A web mining approach for hotel recommendation”. Proceedings of International Conference on electrical,

Electronics, and Computer science by IRD, India, Bhubaneswar, 2012. 15-21. (**This paper got selected as the best paper award**).

21. **Aditya Kumar Sahu**, Monalisa Sahu and Jayanta Mondal, “Vertical partitioning algorithm”, Proceedings of International Conference on Advanced Computer Science and Information Technology (**ACSIT**), IT Research India, Vizag, 2012, 18-20.
22. **Aditya Kumar Sahu** and Monalisa Sahu. “Framework for cyber security”. Proceedings of National Conference by Sambalpur University on ATCIT, Sambalpur University, Odisha, India, 2013. 51-53.

REVIEWER FOR THE JOURNALS

- IEEE Access, IEEE (Indexed in SCI, Scopus)
- Journal of King Saud University, Elsevier (Indexed in ESCI, Scopus)
- IETE Technical Review, Taylor and Francis (Indexed in SCI, Scopus)
- Plus One (Indexed in SCI, Scopus)
- Information Technology and control (Indexed in SCI, Scopus)
- Journal of Engineering Science & Technology (Indexed in Scopus)
- EMaTTech Journals (Indexed in Scopus)
- Journal of Computer Science (Indexed in Scopus)
- JESTEC (Indexed in Scopus)

WORKSHOP ATTENDED

1. Name: QIP, AICTE Sponsored Short-Term Course on **Multimedia Communication**
Duration: 1 week (From 20th October 2010 to 26th October 2010).
Venue: **Indian Institute of Technology (IIT), Guwahati.**
2. Name: QIP Workshop on **cloud computing & Green computing.**
Duration: 3 days (From 19th January 2012 to 22nd January 2012)
Venue: **Indian Institute of Technology (IIT), Guwahati.**
3. Participated in the faculty development program (**FDP**) ‘**WIPRO MISSION 10X**’,
Duration: April 17-21, 2012.
Venue: **MITS, Rayagada. Odisha**

4. Name: Training Programme on “Information Security Management.
Duration: 2 days (From 9th Dec 2016 to 10th Dec 2016)
Venue: **Andhra Pradesh Human Resource Development Institute, Bapatla.**
5. Name: Effective Integration of ICT Tools IN Teaching and Learning
Duration: 2 days (From 25th Nov 2017 to 27th Dec 2017)
Venue: **GMRIT, Rajam in Association with IIT Bombay.**

VOCATIONAL COURSE/TRAINING ATTAINED

1. Topic: **Manual & Automation Testing Tools**
Duration: 45 days
Institution: S.T.C, Bangalore

SUBJECTS EXPERTISE

- Python
- Operating Systems (OS)
- Database Management System (DBMS)
- Software Engineering (SE)
- Data Communication and Computer Network (DCCN)
- Cryptography and network security (CNS)
- TCP/IP Protocol Suite
- Wireless Ad-hoc Network (WAN)
- Object Oriented Programming in C++ (OOPS).
- Programming in C

DECLARATION

I do hereby declare that the above written are true to the best of my knowledge and belief.

Place: Rajam

Date: 14-10-2019

Signature