

SWAGAT RANJAN SAHOO

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Career Objective: “To LEARN AND GROW CONTINUOUSLY BY ACCEPTING ALL CHALLENGES WITH UPDATED TECHNOLOGIES. “

EDUCATION

M.Tech. : Computer Science & Engineering (Cloud Computing) 2010-2012
University: MNNIT, Allahabad, India

B.Tech. : Computer Science & Engineering 2006-2010
University: Biju Patnaik University of Technology, Odisha, India

+2 Science 2003-2005
Board: Council of Higher Secondary Education, Odisha, India

10th 2003
Board: Board of Secondary Education, Odisha, India

TEACHING AND INDUSTRY EXPERIENCE

- I have been working as a senior research fellow in the Department of Computer Science and Engineering, IIT Guwahati, India since 2017.
- Assistant Professor in the Department of Computer Science and Engineering in C.V. Raman Global University, Odisha, India from 1st August 2012 – to 31st July 2017. (**5 years of teaching experience**)
- Along with the teaching, I was associated as the Co-founder of my Company **Anxious Vision Software Technologies LLP**. It was an IT-based startup for the development of educational software.

SUBJECT OF INTEREST

- Vehicular Ad-hoc Networks
- Cloud and Edge Computing
- Machine Learning
- Operating System
- Database Management System

TECHNICAL SKILLS

- C, C++, Java
 - Shell scripting
 - Python (Numpy and Panda for machine learning)
 - Website development
 - git, LaTeX
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RESEARCH & PUBLICATIONS

INTERNATIONAL JOURNAL:

- SAHOO, SWAGAT RANJAN, MOUMITA PATRA, AND AROBINDA GUPTA, "AALB: APPLICATION AWARE LOAD BALANCING ALGORITHM FOR ROAD SIDE UNITS" ACCEPTED IN VEHICULAR COMMUNICATIONS, ELSEVIER JOURNAL, (ACCEPTED, APRIL 2022).
- SINGH, A. K., SAMADDAR, S. G., SAHOO, S. R., & MATHEW, G. (2012). INCREASING ROBUSTNESS OF RC4 FAMILY FOR AUTOMATED SELECTION OF CIPHERSUITES. *PROCEDIA ENGINEERING*, 30, 45-52.

INTERNATIONAL CONFERENCE:

- SAHOO, SWAGAT RANJAN, MOUMITA PATRA, AND AROBINDA GUPTA, "MDLB: A MATCHING BASED DYNAMIC LOAD BALANCING ALGORITHM FOR ROAD SIDE UNITS." *2021 INTERNATIONAL WIRELESS COMMUNICATIONS AND MOBILE COMPUTING (IWCMC)*. IEEE, 2021.
- BARIK, R. K., LENKA, R. K., SAHOO, S. R., DAS, B. B., & PATTNAIK, J. (2018). DEVELOPMENT OF EDUCATIONAL GEOSPATIAL DATABASE FOR CLOUD SDI USING OPEN SOURCE GIS. IN *PROGRESS IN ADVANCED COMPUTING AND INTELLIGENT ENGINEERING* (PP. 685-695). SPRINGER, SINGAPORE.
- YADAV, VINOD KUMAR, SWAGAT RANJAN SAHOO, AND DHARMENDRA KUMAR YADAV. "RELIABLE TASK ALLOCATION IN DISTRIBUTED SYSTEM." *PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON SOFTWARE ENGINEERING RESEARCH AND PRACTICE (SERP)*. THE STEERING COMMITTEE OF THE WORLD CONGRESS IN COMPUTER SCIENCE, COMPUTER ENGINEERING AND APPLIED COMPUTING (WORLD COMP), 2012.

ACHIEVEMENTS/AWARDS IN TECHNICAL ACTIVITIES

- I have done certification for **Python for Machine Learning** in April 2022.
- Reviewer of **IEEE Transactions on Mobile Computing**, 2021
- Department Representative of Research Scholars of IIT Guwahati, India, July 2018 - June 2019
- In charge of **Supercomputer PARAM SHAVAK** from CDAC in CV Raman Global University, India, 2016
- Technical Head of **Smart India Hackathon** for Nodal Centre CV Raman Global University, India, 2017
- Two times **GATE** qualified (2012, 2010)
- Cleared **NIC Entrance** Examination in 2011
- I am an Oracle Certified Associates (OCA)

CONFERENCE, WORKSHOP AND TRAINING ACTIVITIES

- An active volunteer in the organizing committee in the International Conference, IEEE INDICON-2021 held at IIT Guwahati, Assam, India from 19-21 December 2021
- Participated in SPARC workshop on Blockchain Technologies and Decentralized Environments, Aug 2021.
- An active volunteer in the organizing committee of the 3rd ISEA International Conference on Security and Privacy (ISEA-ISAP 2020) in IIT Guwahati from 27 Feb - 1 Mar 2020.
- Participated in IEEE Tutorial Series for Machine Learning and Deep Learning using Tensorflow Organized by IIT Guwahati from 30 Sep- 7 Oct 2018.
- Worked as a key member of the organizing committee of the International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2016).

HOBBIES/INTEREST

- Learning new technologies
- Listening to devotional songs
- Writing Odia poems
- Playing badminton
- Doing social activities
- Taking new responsibilities

PERSONAL DETAILS

Nationality: Indian
Date of Birth: 28th April, 1988
Gender: Male
Fathers Name: Mr. Laxmidhar Sahoo
Occupation: Retired Govt. Employee
Mothers Name: Mrs. Manjulata Sahoo
Occupation: Home Maker
Address: New married scholar hostel, IIT Guwahati, Assam, India 781039

I hereby declare that all the information given is correct to the best of my knowledge.

Date: 05/05/2022

Place: *Guwahati, India*

(Swagat Ranjan Sahoo)