

# SWAGAT RANJAN SAHOO

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

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## EDUCATION

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<b>Ph.D.</b> : Computer Science & Engineering <b>University:</b> IIT Guwahati, Assam, India	2017-Till Now
<b>M.Tech.</b> : Computer Science & Engineering <b>University:</b> MNNIT, Allahabad, India	2010-2012
<b>B.Tech.</b> : Computer Science & Engineering <b>University:</b> Biju Patnaik University of Technology, Odisha, India	2006-2010
<b>+2 Science</b> <b>Board:</b> Council of Higher Secondary Education, Odisha, India	2003-2005
<b>10th</b> <b>Board:</b> Board of Secondary Education, Odisha, India	2003

## TEACHING AND INDUSTRY EXPERIENCE

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- I have been working as a **doctoral 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 1<sup>st</sup> August 2012 to 31<sup>st</sup> July 2017.
- **Co-founder and developer** of **Anxious Vision Software Technologies LLP**. It was an IT-based startup in Bhubaneswar for the development of educational software, from December 2013 to November 2016.

## SUBJECT OF INTEREST

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

## TECHNICAL SKILLS

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- C, C++, Java
- Shell scripting
- Python (Numpy, Panda, and Pytorch)
- WordPress
- git, LaTeX

## RESEARCH & PUBLICATIONS

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### 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

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- Certification for **Python for Machine Learning** in April 2022.
- Reviewer of **IEEE Transactions on Mobile Computing**, 2021
- Representative of research scholars of the CSE department in 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
- Oracle Certified Associates (OCA), 2010

## CONFERENCE, WORKSHOP AND TRAINING ACTIVITIES

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- 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

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- Learning new technologies
- Writing Odia poems
- Playing badminton
- Doing social activities
- Taking new responsibilities

## PERSONAL DETAILS

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**Nationality:** Indian  
**Date of Birth:** 28<sup>th</sup> 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:** 09/05/2022

**Place:** *Guwahati, India*

(Swagat Ranjan Sahoo)