PROFILE

**Curriculum Vitae**

I have acquired technical knowledge and skills from my courses as well as practical skills from my work experiences in teaching and different sponsored projects and UG and PG level student projects and doing with own interest. Looking for more responsible role that utilizes strong interpersonal skills and opportunity to take on high levels of responsibility. Preferably looking for a role at an organization with high ethical values.

**PERSONAL**

Name

**Dr. Minakshi Gogoi**

Address

Flat 4C,

Neerajaloy Fortune Pragjyotish Nagar AEC Road, Jalukbari

Guwahati-14

**Phone Number**

8638719004

**Email**

minakshi\_cse@gimt-guwahati.ac.in minakshi\_cse@gcuniversity.ac.in

PROFILE SUMMARY

* Eighteen years experience in teaching
* One and half years experience as Software programmer
* Fifteen years experience in Research
* Through understanding of the subject
* Knowledge in internal administrative tasks
* Well skilled in communication and comprehension

EDUCATION

Ph.D in Computer Science and Engineering

Dept. of CSE, School of Engineering, Tezpur University

M.Tech. in Information Technology

Dept. of CSE, School of Engineering, Tezpur University First class.

Designation

* Professor and HOD, Dept. of Computer Science and Engineering, GCU since May, 2023

**EMPLOYMENT HISTORY**

# Professor, 1st August 2023- present

## Dept. of Computer Science and Engineering, Girijananda Chowdhury University(GCU), Assam, Guwahati-17

#  Associate Professor, 1st August 2018- 31st July 2023

## Dept. of Computer Science and Engineering, Girijananda Chowdhury Institute of Management and Technology (GIMT), Guwahati-17

**Responsibilities:**

* Head of the Dept. of CSE since 2023, May.
* Delivered scheduled lectures to B.Tech, M.Tech. students.
* Delivered scheduled lectures to Ph. D scholars on their course Work papers.
* Supervising four (4) Research Scholars.
* Completed and eight (8) M.Tech. dissertation work.
* Completed and thirty two (32) B.Tech. dissertation work.
* Ensured completion of assigned syllabus within the time-frame given.

# Assistant Professor, 1st July,2010 – 31st July, 2018

## Dept. of CSE, GIMT, Guwahati-17 Responsibilities:

* Delivered scheduled lectures to B.Tech, M.Tech. students.
* Supervised three(3) ME and two(2) M.Tech. dissertation works under ASTU.
* Supervised ten(10) B.E/B.Tech. project works.
* Carried s/w development and research projects under student projects
* Ensured completion of assigned syllabus within the time-frame given.

# Lecturer, 14th July, 2008- June 30, 2010

## Dept. of CSE, GIMT, Guwahati-17 Responsibilities:

* Delivered scheduled lectures to B.E, MTech. students.
* Supervising six(6) B.E project works.
* Carried s/w development and research projects under student projects
* Ensured completion of assigned syllabus within the time-frame given.

## Lecturer (Adhoc), January,2008 - 8th July, 2008

**Dept. of Computer Science and Engineering, Tezpur University, Tezpur Responsibilities:**

* Delivered scheduled lectures to B.Tech, MTech., MCA students.
* Ensured completion of assigned syllabus within the time-frame given.

## Lecturer (Guest), September,2005 – 5th January, 2008

**Dept. of Computer Science, Gauhati University, Guwahati-14 Responsibilities:**

* Delivered scheduled lectures to M.Sc. students.
* Supervising two (2) project works.
* Carried s/w development and research projects under student projects
* Ensured completion of assigned syll1abus within the time-frame given.

# Software Programmer, February,2002 – July, 2003

## DPS Luit Pvt. Ltd., Bora Service, Ghy-7

**Responsibilities:**

* To administer UNIX(SCO) server
* To do programming for various data processing jobs for clients like CBSE, DPEP etc.

## RESEARCH

Ph.D. in CSE from Dept. of CSE, School of Engineering, Tezpur University.

***Area of research***: **Image processing/Biometrics/Machine learning/Deep Learning**

***Topic of Ph.D. dissertation/work***: “**Verification of Identity using Multimodal Biometric**

Fusion”

***Venue:*** Dept. of Computer Science and Engineering, School of Engineering, Tezpur University, Napaam, Tezpur, Assam

Details of Post-Ph.D. Research area/ Contribution:

1. Area:-‘Fabric defect detection’, continuing 1 paper, already published 1 paper
2. Area:-‘Tea leaves disease detection’, published 1 paper
3. Area:-‘Indexing of voluminous data’, published 1 paper
4. Area:-‘Weather forecasting using image analysis’, published 1 paper
5. Area:-‘Multi-objective optimization’, published 1 paper

PH.D. GUIDE SHIP:

1. Acting as a recognized Ph.D. guide under Assam Science and Technology University, ASTU, Guwahati-13, Assam, since August, 2018.

Total number of research scholars enrolled till date: Two (2) Title of supervising work( Already registered):

* 1. Land use change detection and pattern identification using multitemporal data.

and (b) Prediction of impact of pollution on human health hazards using Artificial intelligence.

1. Acting as a recognized Ph.D. guide under Girijananda Chowdhury Institute of Management and Technology, Guwahati-13, Assam, since January, 2023.

Total number of research scholars enrolled under GCU till date: Two (2)

## SPONSORED RESEARCH PROJECTS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl no. | Title | Period (Months) | Total Grant/ Funding received(Rs.) | Name of Sponsoring/ Funding Agency | Outcome of the Project (Mention publicationsand patents) |
| 1 | (A)“Design of an automated tool for detection and verification ofpurity of Assam Silk” | 36 months | 465000/- | AICTE. NewDelhi | On going project |
| 2 | (B) “ Design of an automated tool for verification of purity of Muga Silk” | 24 months | 284900/- | ASTEC, Dept.of Science & Technology, Govt. ofAssam | On going |

 **PROFESSIONAL RESPONSIBILITIES**

1. **HOD, Dept. of CSE, Girijananda Chowdhury University, Azara, Ghy-17.**
2. **PhD. Coordinator, GIMT( Under ASTU programme)**
3. **Academic coordinator, Dept. of CSE, GIMT, Guwahati, 2019 onwards**
4. **SWAYAM/ MOOC coordinator/SPOC, GIMT, Guwahati, 2019 onwards**
5. **NBA coordinator for 2017-2019 academic sessions.**
6. **Editor, 1st Technical Magazine of dept. of CSE, GIMT, ‘CompuTec’, 2015-2016.**
7. **Convener, ‘National Workshop on Big-data Analytics’, 2016 GIMT, Guwahati**
8. **Executive Member of R& C cell, GIMT, Guwahati**
9. **Coordinator of ERP S/W development and on-line Admission portal of GIMT**
10. **NBA coordinator for 2017-2019 academic sessions.**

## INVITED LECTURES/ RESOURCE PERSON

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No****.** | **Title/Academic Session/ Subject** | **Organizing Institution (with City & Country)** | **Type of Conference/ Seminar/ Worksho****(National/Intern ational)** | **Date of Lecture** |
| 1 | Refresher Course on Machine Learning & Data Science (IDC)Subject: Python Programming , (2 days) | UGC-HRDC,Gauhati University | National, UGC course | 23rd Feb, 2021 &24th Feb, 2021 |
| 2 | International Workshop on Historical Research MethodologySubject : Qualitative Data Analysis: (i) Nvivo Applications,Atlas.ti applications | Post graduate department of History, GauhatiUniversity | International Workshop | 1st March, 2020 |
| 3 | National Workshop on Emerging Trends and Technologies in Computer Science | Gauhati University, dept. of ComputerScience | National workshop | 26th Feb, 2019 |
| 4 | Talk on Information Technology | Asian Institute of Management andTechnology | Invited talk | 19th Sep, 2018 |

**PUBLISHED/EDITED BOOK/BOOK CHAPTER/ARTICLE**

* 1. **Written:** One book on “Biometric Promaneekoron”, an Assamese reference book on validation of identity of a user using biometric samples, under a grant from the Commission for Scientific and Technical Terminology, MHRD, Dept. of Higher Education, Govt. of India.

ISBN: 978-81-935387-0-8

First Edition: 2018

II Translated Book: AICTE Technical Book Translation from English to Assamese language

**on** “ INTRODUCTION TO IT SYSTEM”, 1st Year Book

1. **Edited:** Content editor for BCA 3rd &4th semester programme, KKHSOU for the Course: Software Engineering (GCA S4 16) and Programming in Java (GCA S3 14)
2. **Book chapter editing:** Content writer for BCA 3rd semester programme, KKHSOU, Course Operating System, Unit 3: Threads and Unit 5: Process Synchronization and Co- ordination.

## TRAINING

Certificate course on Computer Networking from 15/07/2002 to 14/08/2002 from Assam Engineering Institute with Grade A+ .

## PROFESSIONAL MEMBERSHIP

* **Associate Member of The Institute of Engineers, India since 31st August, 2012.**
* **Life Member of The Indian Society for Technical Education, since 2016.**

## RESEARCH PAPER PRESENTED/ CONTRIBUTED

* ***(In International Conferences*): Total 11 (Eleven)**
1. Gogoi, M. **“An Effective Method For Automated Classification Of Fishes And Their Pricing System Using Deep Learning And Chatbot Technology”**, International Hybrid Conference, Bioeconomics, 2023, IIT Guwahati, 11th-12th October, 2023
2. Gogoi, M. **“Classification of Assam Silk Fabrics using Artificial Intelligence”,** North- East Research Conclave and Assam Biotech Conclave 2022- Towards Sustainable Science and Technology, IIT Guwahati, 20-22 May, 2022
3. S. Medhi, S., Gogoi M., **“Visualization and Analysis of COVID-19 Impact on PM2.5 Concentration in Guwahati city”**, International Conference on Computational Performance Evaluation (ComPE) North-Eastern Hill University, Shillong, Meghalaya, India.Dec 1-3, 2021,IEEE, doi: 10.1109/ComPE53109.2021.9752244
4. **Gogoi, M. “An effective Tea Leaves Quality Verification method using Machine Learning approach",** presented on the Second International Conference on Advances in Electrical, Electronic and System Engineering (ICAEESE 2019), Gauhati University, Assam, 2-3 November, 2019.
5. **Gogoi, M. “QUALITY VERIFICATION OF ASSAM SILK USING MACHINE LEARNING AND DEEP LEARNING APPROACHES: A STUDY”,** presented on the International Conference on Electrical, Communication, Electronics, Instrumentation and Computing (ICECEIC-2019), Sri Chandrasekharendra Saraswathi Biswa Mahavidyalaya, Tamil Nadu, India, 30-31st January, 2019.
6. Gogoi, M. and Bhattacharyya. D.K., **“AN EFFECTIVE CLASSIFIER FUSION
APPROACH FOR PALMPRINT BASED IDENTITY VERIFICATION”,** presented and published on the Proc. Of International Conference on Electronic Devices, Circuits, Applied Electronics and Communication technology ( EDCAECT 2015), Gauhati University, Guwahati, 8th -10th October, 2015
7. Gogoi, M. and Das J., **“INDEXING OF VOLUMINOUS DATA: ITS NEEDS AND CHALLENGES”**, published on the Proc. of **International Conference on Electronic Devices, Circuits, Applied Electronics and Communication technology (EDCAECT 2015)**, Gauhati University, Guwahati, 8th -10th October, 2015.
8. Gogoi, M., Devi, G., “**CLOUD IMAGE ANALYSIS FOR RAINFALL PREDICTION: A SURVEY**” published on the Proc. of **International Conference on Electronic Devices, Circuits, Applied Electronics and Communication technology ( EDCAECT 2015)**, Gauhati University, Guwahati, 8th -10th October, 2015
9. Gogoi, M. and Bhattacharyya. D.K., **“FUSION OF FINGERPRINT AND IRIS BIOMETRICS USING BINARY ANT COLONY OPTIMIZATION”, presented on Third International Conference on Soft computing for problem solving, December 26—28, 2013, Greater Noida Extension Centre, IIT Roorkee, published on AISC series of Springer Journal.**
10. Gogoi, M. and Bhattacharyya. D.K., “**BIOMETRICS FUSION, ITS NEEDS AND CHALLENGES”, presented on International Conference on Green Energy & Smart Materials Through Science, Technology and Management (GESM’14), 21-23 January, 2014, Gauhati University.**
11. Gogoi Minakshi, Deka Rupkumar, Mazumdar Deepjyoti, Das Rupam, Barman Manasjyoti, “ **A SECURED TEMPLATE BASED FACE RECOGNITION TECHNIQUE”**, **Proc. International Conference on Advanced Computer Science & Information Technology(ACSIT- 2012)Chennai, India, July 2012. ISSN: 2231-5403[Online], ISBN: 978-1-921987-04-5**
12. Kalita, S. K., Gogoi, M., and Talukdar, P. H., “**A CEPSTRAL MEASURE OF THE SPECTRAL CHARACTERISTICS OF ASSAMESE AND BODO PHONEMES FOR SPEAKER VERIFICATION**”, Proc. 1st International Conference on Computer, Communication, Control and Information Technology (C3IT-09), pp.233-239, Macmillan Publishers India Ltd, ISBN 023-063-759-0, First Published, 2009.
* ***(In National Conferences / workshop*): Total 6(Six )**
1. **Gogoi, M. , “DESIGN OF AN AUTOMATED TOOL FOR ARTIFICIALLY RIPENED FRUIT QUALITY DETECTION SYSTEM USING IMAGE PROCESSING”,** presented on **National conference on Applied Sciences, Sustainable & Evolving Technologies, organized by CIT Kokrajhar, 9-11 march, 2018.**
2. **Gogoi, M., “Image Quality Parameter Detection: A Study”,** presented on **National**

conference on Recent Innovative Trends in Engineering and Technology (NCRITET, 2016 ),

organized by GIMT, Guwahati, 11-12 November, 2016.

1. **Gogoi, M., “Indexing of Voluminous Data Using K-D Tree with reference to CBIR”,** presented on **National conference on Recent Innovative Trends in Engineering and Technology (NCRITET, 2016 ),** organized by GIMT, Guwahati, 11-12 November, 2016.
2. Gogoi, M. and Bhattacharyya. D.K, “**MULTI-OBJECTIVE OPTIMIZATION PROBLEM SOLVING FOR IMAGE PROCESSING”,** presented on **National Seminar on Science and Technology for Sustainable development, organized by Assam Science Society, Goalpara College, Goalpara, 23rd January, 2016.**
3. Gogoi, M. and Bhattacharyya. D.K., **“FUSION OF FINGERPRINT AND IRIS BIOMETRIC USING BINARY PARTICLE SWARM OPTIMIZATION”, Proc. National Workshop on Network Security (NWNS 2013) Tezpur University, March 15-16,2013, Narosa Publishing House Pvt. Ltd., ISBN , Published, 2013.**
4. Gogoi, M. and Bhattacharyya. D.K., **“FINGERPRINT CLASSIFICATION USING MINUTIAE SCORE”, Proc. National Conference on Trends in Machine Intelligence**

2011, (NCTMI '11), pp. 161-169, Narosa Publishing House Pvt. Ltd., ISBN 978-81-8487-

140-1, Published, 2011

**RESEARCH PAPER PUBLISHED *(IN JOURNAL*) : Total Ten (Ten) published,**

1. **Medhi S., Gogoi, M, “COMPARISON OF NON-ENSEMBLED AND ENSEMBLED SUPERVISED MACHINE LEARNING TECHNIQUES FOR PM2.5 PREDICTION IN GUWAHATI CITY”,** Juni Khyat, Vol. 13, Issue 06 , no. 01, June, 2023, UGC Care list Journal
2. **Ain A,M.Gogoi, “ CNN-ENHANCED MULTI-INDICES PATCH-BASED CLASSIFICATI- ON: A CASE STUDY OF GUWAHATI CITY”-** International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 9 Issue XII Dec 2021- Thomson Routers and UGC CARE.

## Buragohain B. Das D., Baisya B., Gogoi M., "Hand Gesture-Based Computer Vision Mouse", Lecture Notes in Network System(LNNS), volume 404, 28th June, 2022, Springer , Singapore, ISBN: 978-981-19-0105-8

1. **Ahmed M., Gogoi, M. “AN EFFECTIVE IMAGE QUALITY ESTIMATION METHOD FOR COLOR IMAGE” International Journal of Computer & Mathematical Sciences,** Volume 6, Issue 8, August 2017, ISSN 2347-8527.
2. Gogoi, M., Devi, G.” **FEATURE EXTRACTION TO DETECT CLOUDS FROM SATELLITE IMAGE USING ASSOCIATION RULE MINING** ” I**nternational journal of advanced electronics & communication systems.,2017 , ISSN NO: 2277-7318**
3. Gogoi, M., **Ahmed M.“Image Quality Parameter Detection : A Study” International Journal of Computer Sciences and Engineering :** Volume-4, Special Issue-7, Dec 2016 ISSN: 2347- 2693
4. Das, J, Gogoi, M. **“Indexing of Voluminous Data Using K-D Tree with Reference to CBIR” , International Journal of Computer Sciences and Engineering:** Volume-4, Special Issue-7, Dec 2016 ISSN: 2347-2693
5. Gogoi, M., Devi, G., “**CLOUD IMAGE ANALYSIS FOR RAINFALL PREDICTION: A SURVEY**”, **Advanced Research in Electrical and electronic Engineering**, 2(13), 2015
6. Gogoi, M., Bhattacharya, D.K. “**AN EFFECTIVE METHOD FOR MULTI-BIOMETRIC FUSION USING SIMULATED ANNEALING”, International Journal of Computer Applications (0975 8887) 95(25), June 2014.DOI no.: 10.5120/16747-7044**
7. Gogoi, M., Bhattacharyya. D.K., **“AN EFFECTIVE FINGERPRINT VERIFICATION TECHNIQUE”, International Journal of Computer Science and Engineering, 1(1), May, 2010.**

Declaration

I hereby declare that information furnished above is true to the best of my knowledge and belief.

Date: 20/10/2023 

Place: Guwahati **Dr. Minakshi Gogoi**

## Professor& HOD Dept of CSE

**Girijananda Chowdhury University, Assam Azara, Ghy-17**