**Curriculum Vitae**

Goutam Majumder

**Personal Details:**

* Name : Goutam Majumder.
* Father’s Name : Late Murari Mohan Majumder.
* Mother’s Name : Smt. Chaya Rani Majumder.
* Date of Birth : 29th August, 1986.
* Nationality : Indian.
* E-mail ID : [goutam.nita@gmail.com](mailto:goutam.nita@gmail.com)
* Mobile No. : 07005811558
* Category : Schedule Caste (SC)

**Communication Details:**

* Residential Address : Vill- Ramnagar Gangail Road, P.O. Rampur

Near Aloran Shangha Club, Agartala, West Tripura, Pin – 799002.

* Office Address : Lovely Professional University.

**Educational Qualification:**

* **Pursuing Doctor of Philosophy** entitled **"Deep Interpretable Semantic Textual Similarity (Deep*i*STS)",** in Computer Science & Engineering from **National Institute of Technology Mizoram** under the supervision of **Dr. Partha Pakray, NIT Mizoram** and **Prof. David Pinto, BUAP, Puebla, Mexico**.
* **M. Tech** in Computer Science & Engineering from **Tripura University (A Central University)**, Tripura, with an aggregate of 84.00% (1st Rank in Science & Technology Department) India.
* **PG Diploma** in Advance Computing from Sunbeam Institute of Information Technology (SIIT), Karad, **C-DAC, Acts, Pune**, Maharashtra with percentage of 66% (3rd Topper of Aug’ 2008 Batch).
* **BE** in Computer Science & Engineering from **National Institute of Technology Agartala**, with an aggregate of 72% in 2008.
* **HS (+2 stage)** from Tripura Board of Secondary Education with a percentage of 56% in 2004.
* **Madhyamik** from Tripura Board of Secondary Education with a percentage of 64.38% in 2002.

**Experience Details: (8 Years 2 Months) [Teaching + Research]**

* Working as an **Assistant Professor** From 01.03.2014 to till, in Department of Computer Science & Engineering, National Institute of Technology, Mizoram.
* Worked as a **Research Associate** From 28.05.2012 to 28.02.2014, in the DeitY, MCIT, New Delhi, Govt. of India, funded project entitled, **“Creation of a Visual Face Database of North-Eastern People & Implementation of Techniques for Face Identification”** in the Department of Computer Science & Engineering, Tripura University (A Central University), Tripura, India.
* Worked as a **Research Associate** From 02.07.2009 to 02.07.2010 **(1 Year)**, in the DIT, MCIT, New Delhi, Govt. of India, funded project entitled, **“Development of Techniques for Human Face Based online Authentication System, Phase – 1”** in the Department of Computer Science & Engineering, Tripura University (A Central University), Tripura, India.
* Worked as a **Lab Custodian** of the project entitled “**Development of Techniques for Human Face based online Authentication System**” at Bio-Metrics Laboratory from 03.07.2010 to 31.01.2011 in the Department of Computer Science & Engineering.
* Worked as a **Guest Faculty** From 02.02.2011 to 15.05.2011in theDepartment of Computer Science & Engineering, **Tripura University (A Central University).**

**Project Guided (Under-Graduate):5**

* Development of MizoWordNet as a Lexical Database for Mizo Language.
* Structural Matching using High-dimensional 2D feature selection.
* Web-based Chat Messenger using JSP and MySql.
* Automatic Character Recognition using Vehicle Number Plate.
* Human Face Recognition using sub-Pattern PCA.

**Projects Done:**

* **Project in Final year of Master Degree in Computer Science & Engineering:**

**A Study on Facial Landmark Points for Human Face Identification using North-East Indian Faces:**

This project develops a technique for automatic facial landmark detection. These landmarks further can be use-full to developed real time feature based face recognition technique.

* **Project in DAC (Diploma in Advanced Computing):**

**Common Campus Placement Management System:**

Software subsystem is to facilitate campus placement activities including Bio-data preparation, batch profile generation, shortlist generation & tracking, recruiter information and campus performance reporting.

* **Project in Final year of Bachelor Degree in Computer Science & Engineering:**

**Library Automation System:**

Library Automation System is a complete solution for storing, searching and showing present status of the library also generate library card. By scanning the barcode it’s directly shows all the information of the student and what the status of library account.

**Laboratory Visits / Seminars / Courses / Schools attended:**

* Presented an Oral Paper entitled "**Interpretable Semantic Textual Similarity using Lexical and Cosine Similarity**", 52nd Annual Convention of Computer Society of India as Indian National IT congress on **Social Transformation - Digital Way**, organized by Computer Society of India Kolkata Chapter (CSI 2017), 19-21 January, 2018, Science City, Kolkata, India.
* Attended a **GIAN** course on “**Natural Language Processing and Sentiment Analysis**” from 01.08.2016 to 10.03.2016 organized by Department of Computer Science & Engineering of NIT Mizoram.
* Participation on two-day workshop on “**Introduction to Robotics**” form 29th April to 30th April 2016, organized by Tezpur University.
* Attended a **GIAN** course on “**Introduction to Robot Operating System**” from 01.03.2016 to 10.03.2016 organized by Department of Computer Science & Engineering of NIT Mizoram.
* Participation on “**Meeting cum Training Workshop**” as a **Nodal Officer of AISHE (UGC),**  on 22.09.2015 organized by Chairmanship of the Secretary, Higher Education, New Delhi, India.
* Participate on “**Innovation and Intellectual Property Rights Awareness Workshop**” on 31.03.2015 jointly organized by Patent Information Center, Mizoram Science, Technology & Innovation Council Directorate of Science & Technology, Govt. of Mizoram and in collaboration with National Institute of Technology (NIT) – Mizoram.
* Attended as a **coordinator** for one week internship program in **Indian Institute of Technology (IIT), Madras** under Ishan Vikas program for developing institutes like national importance in North-East region of India.
* Presented an Oral Paper entitled “**Automatic Eye Detection using Fast Corner Detector of North-East Indian (NEI) Face Images**”, 1st International Conference on Computational Intelligence: Modeling Techniques and Applications (CIMTA 2013), 27-28 September, 2013, University of Kalyani,West Bengal.
* Presented an Oral Paper entitled "**Image Registration of North-Eastern Indian (NEI) Face Database**", 1st International Conference on Intelligent Infrastructure, organized by Computer Society of India Kolkata Chapter (CSI 2012), 1-2 December, 2012, Science City.
* **“National Institute of Electronics and Information Technology, Kohima”** visit from 22.07.2012 to 06.08.2012, to create the North-East Indian (NEI) Face Database, sponsored by DeitY, MCIT, New Delhi, India.
* National Seminar on “**Cyber Crime & Cyber Forensics**” on 24.11.2010, jointly organized by CID, Tripura and C-DAC (Centre for Development of Advance Computing), Kolkata at Pragna Bhavan, Agartala.
* Attended the **“International Conference on Rough sets, Fuzzy sets and Soft Computing”**, from 05.11.2009 to 07.11.2009, organized by Department of Mathematics, Tripura University (A Central University), Tripura, India.
* **“Tripura State Forensic Science Laboratory”** visit from 24.10.2009 to 27.10.2009, sponsored by DIT, MCIT, New Delhi, at Tripura State Forensic Science Laboratory, Tripura, India.

**Total Publications: 21 (Twenty One)**

**Journal Publication: 3 (Three)**

**International**

* **Goutam Majumder,** Partha Pakray, Alexander Gelbukh and David Pinto, **“Semantic Textual Similarity Methods, Tools and Applications: A Survey”,** Computación y Sistemas - Thematic Issue: Research Advances and Applications of Evolutionary Computation (Guest Editors: H.J. Escalante, M. Graff), Vol. 20, No. 4, 2016, pp. 647–665 doi: 10.13053/CyS-20-4-2506 doi: 10.13053/CyS-20-3-2450. [**Scopus indexed**].
* Goutam Majumder, Partha Pakray and David Pinto. "Measuring interpretability using a token to chunk multi aligner", Journal of Intelligent and Fuzzy Systems, vol. 36(5), pp. 4797-4808 (a JCR-THOMPSON journal). [Impact factor of 1.426 (2018)]

**National**

* Mrinal Kanti Bhowmik, **Goutam Majumder**, Alak Das, Kankan Saha, and Debotosh Bhattacharjee, **“Human Eye Detection Using Harris Corner Detector”**, Journal of the Tripura Mathematical Society, to be published by Tripura Mathematical Society, Vol. 14, Dec. 2012, ISSN: 0972 – 1320.
* **Sharmistha Majumder, Goutam Majumder, Mrinal Kanti Bhowmik, “Human Face Mosaicing using Thermal Image”, Journal of the Tripura Mathematical Society, Published by Tripura Mathematical Society, Special Vol. 13, pp. 145-153, Jan. 2011, ISSN: 0972-1320.**

**International Conference Publications: 14 (Fourteen)**

* **Goutam Majumder,** Partha Pakray and David Pinto, "**Interpretable Semantic Textual Similarity using Lexical and Cosine Similarity**" (**Accepted**) 52nd Annual Convention of Computer Society of India as Indian National IT congress on **Social Transformation - Digital Way**, organized by Computer Society of India Kolkata Chapter (CSI 2017), 19-21 January, 2018, Science City, Kolkata, India and will be published in Springer Nature Singapore in CCIS Series.
* Partha Pakray, **Goutam Majumder,** Amarnath Pathak, "**An HMM based POS Tagger for POS tagging Code-Mixed Indian Social Media Text**". (**Accepted**) 52nd Annual Convention of Computer Society of India as Indian National IT congress on **Social Transformation - Digital Way**, organized by Computer Society of India Kolkata Chapter (CSI 2017), 19-21 January, 2018, Science City, Kolkata, India and will be published in Springer Nature Singapore in CCIS Series.
* **Goutam Majumder,** Partha Pakray, David Pinto, “**Semantic Textual Similarity using Modified WordNet Taxonomy using Tri-Gram Language Model**”, **(Accepted)** in 10th International Conference on Natural Language Processing (HrTal 2016).
* **Goutam Majumder,** Partha Pakray, **" NLP–NITMZ @ Part–of–Speech (POS) Tagging for Code–Mixed India Social Media Text using HMM",** in a Tool Contest On Pos Tagging For Code-Mixed Indian Social Media (FACEBOOK, TWITTER, AND WHATSAPP) Text @ ICON 2016 : 13th International Conference on Natural Language Processing, at BHU, India.
* **Goutam Majumder,** Partha Pakray**, "NLP-NITMZ @ MSIR 2016 System for Code-Mixed Cross-Script Question Classification",** published in a Working notes of FIRE 2016 - Forum for Information Retrieval Evaluation, CEUR-WS.org/Vol-1737, Pages 100-104, Kolkata, India, December 7-10, 2016.
* Partha Pakrayand **Goutam Majumder, "NLP–NITMZ: Part-of-Speech Tagging on Italian Social Media Text using Hidden Markov Model",** in a shared task on PoSTWITA - POS tagging for Italian Social Media Texts, EVALITA -2016, Vol-1749, ceur-ws, Napoli, Italy, December 5-7, 2016.
* Partha Pakray, **Goutam Majumder,** Jereemi Bentham, Sunday Lalbiaknia**,** Alexander Gelbukh, “**Automatic Identification and Recognition of Named Entity Classes of Mizo Language**”, **Communicated** in 10th International Conference on Natural Language Processing (HrTal 2016).
* Jereemi Bentham, Partha Pakray, **Goutam Majumder,** Sunday Lalbiaknia and Alexander Gelbukh**, "Identification of Rules for Recognition of Named Entity Classes in Mizo Language",** accepted in 15th Mexican International Conference on Artificial Intelligence (MICAI 2016), October 23–29, Cancún, Mexico. (will be published in IEEE).
* **Goutam Majumder,** Partha Pakray, Alexander Gelbukh, “**Literature Survey: Multiword Expressions (MWE) for Mizo Language**”, **(Accepted)** in 17th International Conference on Intelligent Text Processing and Computational Linguistics, to be published as an issue of Lecture Notes in Computer Science, Springer. Konya, Turkey. April 3-9, 2016. ISSN: 0302-9743.
* Partha Pakray, Arunagshu Pal, **Goutam Majumder**, and Alexander Gelbukh, **“Resource Building and POS Tagging for Mizo Language”** in 14th Mexican International Conference on Artificial Intelligence, Cuernavaca (Near Mexico City), Mexico, published by IEEE Xplore Digital Library, pp. 3-7, Oct 25 – 31, 2015.
* **Goutam Majumder** andMrinal Kanti Bhowmik, “**Gabor-FastICA Feature Extraction for Thermal Face Recognition using Linear Kernel Support Vector Machine**”. Proceedings of 1st International Conference on Computational Intelligence & Network organised (CINE) by KIIT University, Odisha, published by IEEE Xplore Digital Library, pp. 21-25, Jan 12-13, 2015.
* **Goutam Majumder**, Mrinal Kanti Bhowmik, and Debotosh Bhattacharjee, “**Automatic Eye Detection using Fast Corner Detector of North-East Indian (NEI) Face Images**”, 1st International Conference on Computational Intelligence: Modeling Techniques and Applications (CIMTA 2013), University of Kalyani,West Bengal, India, published by ELSEVIER Procedia Technology, Vol. 10, pp. 646-653, 2013, Sep 27-28, 2013.
* **Goutam Majumder**, Rajib Debnath, Mrinal Kanti Bhowmik, Debotosh Bhattacharjee and Mita Nasipuri, “**Image Registration of North-Eastern Indian (NEI) Face Database**”, 1st International Conference on Intelligent Infrastructure, organized by Computer Society of India Kolkata Chapter (CSI 2012), Science City, Kolkata, India, published by Tata McGraw Hill, pp. 286-290, Dec 1-2, 2012, ISBN-13: 978-1-25-906170-7, ISBN-10: 1-25-906170-1.
* Mrinal Kanti Bhowmik, **Goutam Majumder**, Debotosh Bhattacharjee, Dipak Kumar Basu, Mita Nasipuri, “**Next Level of Data Fusion for Human Face Recognition**”, (In Press) Proceedings of International Conference on Mathematical Modeling and Applications to Industrial Problems (MMIP- 2011)to be published by McMillan India, March 28-31, 2011 in National Institute of Technology, Calicut.

**National Conference / Seminar Publications: 1 (One)**

* **Goutam Majumder,** Rupayan Debnath**,** Mrinal Kanti Bhowmik**, Debotosh Bhattacharjee,** “**Automatic Fiducial Points Detection of North-Eastern Indian Faces**”**,** (In Press)Proceedings of the 2nd National Conference on Mathematical Analysis and its Applications (NCMAA12), Organized by Department of Mathematics, Tripura University (A Central University), Tripura, India, April 5-6, 2012.

**Book Chapters: 3 (Three)**

* Mrinal Kanti Bhowmik, Kankan Saha, Sharmistha Majumder, **Goutam Majumder**, Ashim Saha, Aniruddha Nath Sarma, Debotosh Bhattacharjee, Dipak Kumar Basu, and Mita Nasipuri **“Thermal Infrared Face Recognition – A Biometric Identification Technique for Robust Security System,”** as a Book Chapter of **“Reviews, Refinements and New Ideas in Face Recognition”**, Edited by: Peter M. Corcoran, published by InTech Open Access Publisher, Vienna, Austria, Europe, pp. 113-138, Jul. 2011, ISBN: 978-953-307-368-2, doi: 10.5772/743.
* **Mrinal Kanti Bhowmik, Priya Saha, Goutam Majumder, Debotosh Bhattacharjee, “Decision Fusion of Multisensor Images for Human Face Identification in Information Security”,** Book Chapter of **“Handbook of Research on Computational Intelligence for Engineering, Science and Business”,** Edited by: Dr. S. Bhattacharyya & Prof. P. Dutta, Published by **IGI Global, USA,** Vol. 1, pp. 571-591, Nov. 27, 2012, EISBN13: 9781466625198, doi: 10.4018/978-1-4666-2518-1.
* Mrinal Kanti Bhowmik, Kankan Saha, **Goutam Majumder**, Debotosh Bhattacharjee, Dipak Kumar Basu, and Mita Nasipuri, “A**dvances in Fusion Techniques of Thermal Infrared and Optical Images for Human Face Recognition**”, Book Chapter of “**Information and Knowledge Management Tools, Techniques and Practices”,** Edited by: Dr. Ajit. K. Roy, Published by New India Publishing Agency, New Delhi, India, pp. 233-266, 2013, ISBN: 978-93-81450-62-8.

Declaration:

I, do hereby, declare that all the information furnished above is true to the best of my knowledge.

Goutam Majumder