

Bikram Pratim Bhuyan

Curriculum Vitae



Personal Information

Surname, Given Name Bhuyan, Bikram Pratim
Email address bikram23bhuyan@gmail.com, bpbhuyan@ddn.upes.ac.in
Telephone Number (+91)8761007582
Date of Birth 23 November 1988
Place of Birth India
Citizenship Indian

Education

- 2014–2016 **Master of Technology(M.Tech.) in Information Technology**,
Tezpur University, India
Focus: Design and Analysis of Algorithms, Knowledge Representation and Reasoning,
Pattern Recognition, Data Mining and Data Warehousing, Game Theory.
M.Tech Thesis: "Approximation of Stability and its relationship with similarity in Formal
Concept Analysis", supervised by Prof. Dr. Shyamanta M Hazarika and Dr. Arindam
Karmakar
- 2007–2011 **Bachelor of Engineering(B.E.) in Information Technology**,
Nagpur University(R.T.M.N.U.), India
Focus: Algorithms and Data Structure, Theory of Computation.
- 2005–2007 **Higher Secondary School Education (12th Standard)**,
Cotton College, India
Focus: English, Physics, Mathematics, Chemistry.
- 2005 **High School Education (10th Standard)**,
Disneyland High School, Guwahati, Assam, India
Focus: English, General Science, Social Studies, Mathematics, Assamese.

Work Experience

- September 2018–till **Assistant Professor**,
date Department of Informatics, School of Computer Science, University of Petroleum and
Energy Studies, Dehradun, Uttarakhand, India
- Conducted assigned undergraduate and graduate courses and seminars.
 - Teaching IBM specialized subjects.
 - Seed money of 1,00,000 INR sanctioned for the project titled "River water pollution
detection using microfluidic based paper analytical device using geospatial and temporal
analysis".

- August 2017–September 2018 **Assistant Professor**,
Department of Computer Science and Engineering, Kaziranga University, Jorhat, Assam, India
- Conducted assigned undergraduate and graduate courses and seminars.
 - Provided expert lessons on GATE(Graduate Aptitude Test in Engineering)
 - Laboratory in-charge.
- July 2016–August 2017 **Assistant Professor**,
Asian Institute of Management and Technology, Guwahati, Assam, India
- Conducted assigned undergraduate and graduate courses and seminars.
 - Acted as an examiner and scrutinizer for Gauhati University, Assam, India.
 - Coordinator of the Research and Development cell of the institute.
- August 2014–May 2016 **Teaching Assistant**,
Tezpur University, India
- Acted as a T.A. for assigned undergraduate and graduate courses.
 - Member of the syllabus preparation and review committee.
- February 2012–January 2014 **Consultant**,
ECIL Rapiscan Ltd., Assam, India
- Designed a part of the local Adhar Card project(SSN equivalent in U.S.) database and trained engineers.
 - Prepared reports and delivered presentations after data analysis.
- July 2011–February 2012 **IT Engineer**,
Integrated Systems and Services., Assam, India
- Developed, tested, installed, configured and troubleshooted computer hardware and software for Government projects.
 - Installation of OS and required service packages: both open source and proprietary.

Skills & Abilities

Languages	Hindi, Assamese	Native, C2
	English	Fluent, C1
	French, German	Basic, A1
Programming Languages	C, C++, Java, MATLAB, Python, R, MySQL - (Advanced)	
Operating System	Windows, Linux (Ubuntu, CentOS), Mac OS - (Intermediate)	
Software	LaTeX, MS Word, MS Excel, MS Power-point, ConExp, FCART, FcaStone, IBM Cognos Insight - (Advanced)	

Publications

Paper Titled: “Relative Similarity and Stability in FCA Pattern Structures Using Game Theory”,
2017 IEEE sponsored 2nd International Conference on Communication Systems, Computing and IT Applications (CSCITA), 208-213.

Paper Titled: “Bounding Stability in Formal Concept Analysis”,
2018 Bhattacharyya S., Chaki N., Konar D., Chakraborty U., Singh C. (eds) Advanced Computational and Communication Paradigms. Advances in Intelligent Systems and Computing, vol 706. Springer, Singapore

Paper Titled: “Machine learning in predicting Hemoglobin variants”,
Monalisha Saikia Borah, Bikram Pratim Bhuyan, Mauchumi Saikia Pathak, and P. K. Bhattacharya; International Journal of Machine Learning and Computing vol. 8, no. 2, pp. 140-143, 2018.

Paper Titled: “Panel Data - Representation and Learning”,
Bikram Pratim Bhuyan; International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM-2018), to be published with Springer

Paper Titled: “Selection Of Mobile Node Using Game And Graph Theory For Video Streaming Application”,
Bikram Pratim Bhuyan, Sajal Saha; International Conference on Advances and Applications of Artificial Intelligence and Machine Learning (ICAAAIML-2020), published with Springer

Paper Titled: “Decision Intelligence Analytics: Making Decisions through Data Pattern and Segmented Analytics”,
Bikram Pratim Bhuyan; Decision Intelligence Analytics and the Implementation of Strategic Business Management (DIASBM-2020), published with Springer

Paper Titled: “An Ontological Knowledge Representation for Smart Agriculture”,
B. P. Bhuyan, R. Tomar, M. Gupta and A. Ramdane-Cherif, "An Ontological Knowledge Representation for Smart Agriculture," 2021 IEEE International Conference on Big Data (Big Data), 2021, pp. 3400-3406, doi: 10.1109/BigData52589.2021.9672020.

Professional Membership

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| June 2017 - till today | Member of ACM (Association for Computing Machinery) |
| June 2017 - till today | Member of ICSES (International Computer Science and Engineering Society)) |
| October 2017 - till today | Member of ILA (International Literacy Association) |

Professional Service

Peer Review Panel Member

- 3rd IEEE International Conference on Computational Intelligence and Networks (CINE 2017)
- 7th IEEE International Conference on Control Systems, Computing and Engineering (ICCSCE2017)
- International Conference on Computer Intelligent Systems and Networking (ICCISN 2017)
- Asian Journal of Fuzzy and Applied Mathematics

Areas Of Interest

- Formal Concept Analysis (Artificial Intelligence, KR&R)
- Graph Theory
- Game Theory
- Data Mining

Scholarships/Awards

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| 2005-2007 | Recipient of scholarship from Govt. of Assam under Anundoram Borooah Award Scheme for securing the State Highest marks in Mathematics. |
| 2014-2016 | Recipient of GATE scholarship from MHRD India during the M.Tech. tenure (Rs. 12400 per month). |
| April 2017 | Recipient of Best Paper Award for the paper titled “Relative Similarity and Stability in FCA Pattern Structures Using Game Theory” in CSCITA (Rs. 4500). |
| June 2018 | Qualified NET (Assistant Professor). |

March 2018 GATE qualified (2 times)

Hobbies and Sports

Hobbies Traveling, Photography, Music, Acting, Guitar playing, Cooking

Sports Football, Cricket, Badminton, Cycling, Hiking

Declaration

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I hereby declare that all the above mentioned facts and information are true to the best of my knowledge. I will solely be responsible for any discrepancy found in them.