



# Tathagata Bandyopadhyay

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CONTACT INFORMATION	Building No.: 640, 4th Cross Street, Koramangala 3rd Block, Bengaluru 560034, Karnataka, India	+91-7749995826 tathagatabanerjee15@rocketmail.com gata.tatha14@gmail.com
OBJECTIVE	To be recognized as excellent professional while contributing to the overall organisational goals with hard work and diligence.	
RESEARCH INTERESTS	Biomedical & Handwriting Image Processing, Computer Vision, Motor-Imagery Classification of EEG Signal, Intelligent Systems, Machine Learning algorithms and applications.	
RESEARCH EXPERIENCE	<ul style="list-style-type: none"><li>• Research Intern at CMATER Lab, Department of Computer Science &amp; Engineering, Jadavpur University. Worked on Diabetes Diagnosis from Histological Image Processing.</li><li>• Research Intern at AI Lab, Department of Electronics &amp; Telecommunication Engineering, Jadavpur University. Worked on an Automated Drug Delivery System.</li><li>• Undergraduate Research Assistant at School of Computer Engineering, KIIT University. Worked on <b>Motor-Imagery Classification of EEG signal</b>.</li></ul>	
WORK EXPERIENCE	<b>Software Engineer 1</b> at <b>DELL</b> , Bangalore, India, July 2017 - Present <b>Responsibility:</b> Developing a proof of concept of <b>Dynamic Pricing Model</b> of Dell products based on historical sales data using <b>Machine Learning</b> . <b>Techonology used:</b> Python, R, Weka-3.8	
EDUCATION	<b>KIIT University</b> , Bhubaneswar, Odisha  B.Tech., Computer Science and Engineering, Completed with GPA <b>9.48</b> in a 10 point scale securing the <b>Second Position</b> in the program. All-rounder <b>Gold Medalist</b> .  <b>Ramakrishna Mission Vivekananda Vidyamandir</b> , Malda, West Bengal  Higher Secondary, Science, March 2013 <ul style="list-style-type: none"><li>• Exam Conducting Board: <i>West Bengal Council of Higher Secondary Education</i></li><li>• Aggregate Score: 85.6%</li></ul> Secondary, Feb 2011 <ul style="list-style-type: none"><li>• Exam Conducting Board: <i>West Bengal Board of Secondary Education</i></li><li>• Aggregate Score: 84.125%</li></ul>	
PUBLICATIONS	<ul style="list-style-type: none"><li>• Tathagata Bandyopadhyay, Shyamali Mitra, Sreetama Mitra, Luis Miguel Rato, Nibaran Das, and Mrinal Kanti Naskar. A fast algorithm for automatic segmentation of pancreas histological images for glucose intolerance identification. In <i>Proceedings of the 2nd International Conference on Computing and Communications</i>. Springer, 2018</li><li>• Tathagata Bandyopadhyay, Sreetama Mitra, Shyamali Mitra, Luis Miguel Rato, and Nibaran Das. Analysis of pancreas histological images for glucose intolerance identification using wavelet decomposition. In <i>Proceedings of the 5th International Conference on Frontiers in Intelligent Computing: Theory and Applications</i>, pages 653–661. Springer, 2017</li></ul>	

- Rajdeep Chatterjee, Tathagata Bandyopadhyay, Debarshi Kumar Sanyal, and Dibyajyoti Guha. Dimensionality reduction for eeg signal using fuzzy discernibility matrix. In *Proceedings of the 10th International Conference on Human System Interaction*. IEEE, 2017
- Rajdeep Chatterjee, Tathagata Bandyopadhyay, Debarshi Kumar Sanyal, and Dibyajyoti Guha. Comparative analysis of feature extraction techniques in motor-imagery eeg signal classification. In *Proceedings of the International Conference on Smart Systems, Innovations and Computing*. Springer, 2017
- Rajdeep Chatterjee, Tathagata Bandyopadhyay, and Debarshi Kumar Sanyal. Effects of wavelets on quality of features in motor-imagery eeg signal classification. In *Wireless Communications, Signal Processing and Networking (WiSPNET), International Conference on*, pages 1346–1350. IEEE, 2016
- Rajdeep Chatterjee and Tathagata Bandyopadhyay. Eeg based motor imagery classification using svm and mlp. In *Computational Intelligence and Networks (CINE), 2016 2nd International Conference on*, pages 84–89. IEEE, 2016

AWARDS /  
ACHIVEMENTS

- Received **Founder’s All-rounder Gold Medal** from **Vice President of India** for all round performance across all the programs of the university.
- Received **KIIT Merit Scholarship** in 6th, 7th and 8th Semester for securing **3rd highest, 3rd Highest and 2nd Highest GPA** respectively.
- Received **ASIANA AIRLINES Scholarship** for excellent academic performance.
- Selected for **Student Exchange** and visited **VSB Technical University Ostrava**, Czech Republic.

PROJECTS

**A Text-Independent Writer Identification System from Handwriting Document Images**

- *Duration:* January 2017-April 2017
- *Place:* School Of Computer Engineering, KIIT University

**Analysis of Pancreas Histological Images for Glucose Intolerance Identification Using Wavelet Decomposition**

- *Duration:* May - June 2015
- *Place:* CMATER Lab, Dept. of Computer Science and Engineering, Jadavpur University

TECHNICAL  
KNOWLEDGE

- *Languages:* Python, C, C++, Java
- *Simulator:* MATLAB 2014Ra
- *Key Skills:* C, MATLAB
- *Tools:* Weka 3.8

EXTRA  
ACTIVITIES

- Former **Chair** of KIIT University ACM Student Chapter
- Former Student Member of ACM
- Past member of Apogio (KIIT Aeronautical Society)
- Past member of KIIT Robotics society

PERSONAL  
DETAILS

Date of Birth: July 22, 1994  
 Gender: Male  
 Nationality: Indian  
 Pasport Number: N9674019  
 Language Proficiency: English, Bengali, Hindi.

REFERENCES

Available on request