



# Jimut Bahan Pal

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<https://jimut123.github.io/>

*"Researching innovative Deep Learning solutions."*

## Education

- 2022 – **Ph.D.** Centre for Machine Intelligence and Data Science, *Indian Institute of Technology Bombay*  
Present
- 2019 – 2021 **M.Sc. in Computer Science**, *Ramakrishna Mission Vivekananda Educational and Research Institute*, Belur, Howrah.
- o Thesis – **Instance Segmentation of Peripheral Blood Smear and Refining Classification via Domain Adaptation.**
- 2016 – 2019 **B.Sc. (Hons.) Computer Science** *St. Xavier's College*, Park Street, Kolkata.
- o Dissertation – **Wisp: A Preference Based Location Finder Application.**

## Awards & Accolades

- Feb. 2022 **Qualified in UGC-NET 2021**, for Assistant Professor.
- March. 2022 **Qualified in GATE 2021 and 2022.**

## Publications

### Conference Proceedings

- Oct. 2021 Pal, J. B., & Paul, N. (2021). Classifying Chest X-Ray COVID-19 images via Transfer Learning. In 2021 Ethics and Explainability for Responsible Data Science (EE-RDS) (p. 1-8). doi: 10.1109/EE-RDS53766.2021.9708580
- July 2021 Pal, J. B. (Accepted). Holistic network for quantifying uncertainties in medical images. In Brain Lesion 2021 MICCAI Workshop, Springer LNCS (Vol. 2).

### Journal

- Feb. 2021 – Pal, J. B., Bhattacharyea, A., Banerjee, D., & Maharaj, T. (Under Review). Instance segmentation of peripheral blood smear and refining classification via domain adaptation. Springer Nature Computer Science Journal.
- July 2021
- Oct. 2020 – Pal, J. B., & Mj, D. (Under Review). Improving multi scale attention networks: Bayesian optimization for segmenting medical images. Computer Methods and Programs in Biomedicine Update (Elsevier)
- July 2021

## Preprints

- 2020 Pal, J. B. (2020). How to cluster nearest unique nodes from different classes using jjcluster in wisp application? CoRR, abs/2002.05886 . Retrieved from <https://arxiv.org/abs/2002.05886>

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## Experience

- March – **Computer Application teacher, RKMVERI, Belur, Howrah.**  
April, 2020 Taught the class of PGDY (2020-21) comprising 12 students about computer applications. Guided students to research on independent projects and develop communication skills.
- Jan – March, **Project Intern, Data Sutram, Rabindra Sarovar, Kolkata.**  
2019 Analyzed, visualized and gained valuable insights from data.
- Sep., 2018 **Key-note Speaker, (sponsored by Google), MLCC-SXC, St. Xavier's College, Kolkata.**  
Created course work and delivered lectures for Machine Learning Crash Course seminars.
- Nov. 2017 – **Developer, Xavotsav 2018 Website, Designed a website for the cultural fest of St.**  
Jan. 2018 **Xavier's College, Kolkata, with our team.**

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## Selected Open Source Softwares

- Feb 2019 **Jimutmap** *A tool to download satellite images and road maps with ease.*  
o Used for testing deep learning algorithms. Over **15K total downloads from python3-pip package.**
- Jan. 2019 **Jimner** *Create ASCII Art writing for terminal.*  
o Generated banner of **314 samples** of styles using Python-3.
- Nov. 2018 **Management Information System: A CRUD (Create Read Update Delete) system built using Python3 and Tkinter from scratch.**

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## Leadership

- Aug. 2018 – **Coordinator & Teacher, National Service Scheme (NSS)** – Coordinated and organized  
Jan. 2019 tours (four times) for educating the unprivileged in a nearby village. This was part of curriculum (social work) at St. Xavier's College, Kolkata.
- Feb 2019 **Event Head of ENIGMA** – Planned, organized and executed the annual coding event of Science Association, St. Xavier's College, Kolkata.
- July – Sep., **Head of Graphics Design Team, Analytica (Dept. of Mathematics)** – Lead and planned  
2018 a team of 5 highly motivated designer to create and design all the graphics content that were used at the event in St. Xavier's College, Kolkata.

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## Online Specializations

- Dec. 2019 **Deep Learning Specialization, DeepLearning.AI, Coursera** - License: TUKRVHKG2SJW.
- March 2019 **TensorFlow in Practice Specialization, DeepLearning.AI, Coursera** - License: 88P8SNNTFTH.
- Sep. 2018 **Applied Data Science Specialization, IBM, Coursera** - License: K36A43C6J3N7.
- Jan. 2018 **Python for Everybody Specialization, University of Michigan, Coursera** - License: RQHE57YQZ2ZW.

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## Miscellaneous

- June 2019 – Documented **blogs** during free time. Maintained a page for PDF writings.
- 2017 – 2018 Created several **games** during B.Sc. in St. Xavier's College. The games can be played online from Projects page.
- Jan. 2016 Selected in the second phase of **Service Selection Board (SSB), Indian Army.**

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## References

On Request.