



# Jimut Bahan Pal

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*"Researching innovative Deep Learning solutions."*

## Education

- 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.

## 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 (Vol. Springer LNCS).

### Journal

- Oct. 2020 - Pal, J. B., & Mj, D. (under process). Improving multi scale attention networks: Bayesian optimization for segmenting medical images (Vol. 2).
- July 2021
- 2019 Pal, J. B., & Agarwal, S. (2019). Real time object detection can be embedded on low powered devices. International Journal of Computer Sciences and Engineering.
- 2018 Pal, J. B., & Nath, A. (2018). New approach to generate, re-generate, encode, and compress 3d structures using polynomial equations. International Journal of Computer Sciences and Engineering.
- Oct. 2018 Pal, J., & Nath, A. (2018, 10). Botnets: A constant threat to cyberspace.

## Preprints

- 2020 Pal, J. B. (2020). How to cluster nearest unique nodes from different classes using jjcluster in wisp application?

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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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## 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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## Online Specializations

- Dec. 2019 **Deep Learning Specialization, DeepLearning.AI, Coursera - License: TUKRVHKG2SJW.**
- March 2019 **TensorFlow in Practice Specialization, DeepLearning.AI, Coursera - License: 88P8SNNTEFTH.**
- 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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## 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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## 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

**Tamal Maharaj** (tamal@gm.rkmvu.ac.in)

**Dripta Mj** (dripta.rkm@gmail.com)

**Swathy Prabhu Mj** (swathyprabhu@gmail.com)

**Prof. Shalabh Agarwal** (shalabh@sxccal.edu)