Jimut Bahan Pal

98 Desh Bandhu Road (East), Kolkata, 700035
(+91) 8902209098
jpal.cs@gm.rkmvu.ac.in

"Researching innovative Deep Learning solutions."

Education

2019 – 2021	**M.Sc. in Computer Science,** *Ramakrishna Mission Vivekananda Educational and Research Institute,* Belur, Howrah.

○ 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.

○ Dissertation – **Wisp: A Preference Based Location Finder Application.**

Publications

Journal

Oct. 2020 - July 2021	Pal, J. B., & Mj, D. (under process). Improving multi scale attention networks: Bayesian optimization for segmenting medical images (Vol. 2).
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.

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).

Preprints

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

Selected Open Source Softwares

Feb 2019   **Jimutmap** *A tool to download satellite images and road maps with ease.*
- Used for testing deep learning algorithms. Over **15K total downloads from python3**-pip package.

Jan. 2019   **Jimner** *Create ASCII Art writing for terminal.*
- 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.*

Awards & Accolades

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

Experience

March – April, 2020   **Computer Application teacher, *RKMVERI*, Belur, Howrah.** 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, 2019   **Project Intern,** *Data Sutram,* Rabindra Sarovar, Kolkata. 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 – Jan. 2018   **Developer, *Xavotsav 2018 Website*,** *Designed a website for the cultural fest of St. Xavier's College, Kolkata, with our team.*

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.

Leadership

Feb 2019   **Event Head** of *ENIGMA* – Planned, organized and executed the annual coding event of Science Association, St. Xavier's College, Kolkata.

July – Sep., 2018   **Head of Graphics Design Team**, *Analytica (Dept. of Mathematics)* – Lead and planned 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.

Aug. 2018 – Jan. 2019   **Coordinator & Teacher,** *National Service Scheme (NSS)* – Coordinated and organized tours (four times) for educating the unprivileged in a nearby village. This was part of curriculum (social work) at St. Xavier's College, Kolkata.

Miscellaneous

June 2019 –   Documented **blogs** in my 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.**

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)