

Jimut Bahan Pal

"Using Deep Learning to find innovative 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.**

Selected Publications

Journal

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

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. (2021). Holistic network for quantifying uncertainties in medical images (Vol. Springer LNCS). (Accepted)

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 **314 samples** of styles for generating banner written in Python-3.
- Nov. 2018 **Management Information System** *A CRUD (Create Read Update Delete) system built using Python3 and Tkinter from scratch.*

Achievements & Honors

- Aug. 2021 **Best M.Sc. thesis 2021**, Got the highest marks for Thesis, RKMVERI, Howrah.

Experience

- March – **Computer Application teacher, RKMVERI, Belur, Howrah.**
- April, 2020 Taught the class of PGDY (2020-21) comprising 12 students about computer applications. Made 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**, *Google, MLCC-SXC, St. Xavier's College, Kolkata*.
Created course work and delivered lectures for Machine Learning Crash Course seminars (sponsored by Google).
- Nov. 2017 – Jan. 2018 **Developer**, *Xavotsav 2018 Website*, *Our team designed a website for the cultural fest of St. Xavier's College, Kolkata.*

Relevant Certifications

- Dec. 2019 **Deep Learning Specialization**, *DeepLearning.AI*, Coursera - License: TUKRVHKG2SJW.
- March 2019 **TensorFlow in Practice Specialization**, *DeepLearning.AI*, Coursera - License: 88P8SNTEFTH.
- 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 – I wrote **blogs** in my free time. I also maintain a page where I put all my PDF writings.
- 2017 – 2018 Created several **games** during my B.Sc. in St. Xavier's College. The games can be played online from my 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)