

Jimut Bahan Pal

"I want to make Deep Learning models more transparent."

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**. Supervisor – **Tamal Maharaj**.
- 2016 – 2019 **B.Sc. (Hons.) Computer Science** *St. Xavier's College*, Park Street, Kolkata.
- o Dissertation – **Wisp: A Preference Based Location Finder Application.**, Supervisor – **Prof. Shalabh Agarwal**.

Selected Publications

Journal

- Oct. 2020 - July 2021 Jimut Bahan Pal and Dripta Mj. Improving multiscale attention networks: Bayesian optimization for segmenting medical images. (under review at Computer Methods and Programs in Biomedicine Update).

Conference Proceedings

- Oct. 2021 Jimut Bahan Pal and Nilayan Paul. Classifying chest x-ray covid-19 images via transfer learning. In 2021 Ethics and Explainability for Responsible Data Science (EE-RDS), pages 1–8, 2021.
- July 2021 Jimut Bahan Pal. Holistic network for quantifying uncertainties in medical images. Accepted at Brain Lesion 2021 MICCAI Workshop, to be published at Springer LNCS.

Selected Open Source Softwares

- Feb 2019 **Jimutmap** *Download Satellite images and road maps with ease.*
- o This project was initially created to scrap satellite imagery to test deep learning algorithms.
 - o Now this is used by many. Over **15K total downloads from pip package**.
- Jan. 2019 **Jimner** *Create banner text for Terminals.*
- o **314 samples** of styles for generating banner.
 - o **Create ASCII Art with ease** using terminal.
- Nov. 2018 **Management Information System** *A Create Read Update Delete (CRUD) system built using Python3 and Tkinter from scratch.*

Achievements & Honors

- Aug. 2021 **Best M.Sc. Thesis**, *Got the highest marks for Thesis*, RKMVERI, Howrah.
- Aug. 2016 **Felicitation from Baranagar Municipality**, *Class - 12*, for getting 95.75% in ISC board, Central Modern School, Kolkata.

- Aug. 2015 **Rank - 3rd**, *Class - 11*, Central Modern School, Kolkata.
- Aug. 2014 **Felicitation from Baranagar Municipality**, *Class - 10*, for getting 88.9% in ICSE board, Central Modern School, Kolkata.

Experience

- March – April, 2020 **Computer Application teacher, RKMVERI, Belur, Howrah.**
Taught the class of PGDY (2020-21) comprising 12 students about general computer applications.
- Jan – March, 2019 **Project Intern, Data Sutram**, Rabindra Sarovar, Kolkata.
Worked in several data science related projects.
- Sep., 2018 **Key-note Speaker, Google, MLCC-SXC.**
Created course work for Machine Learning Crash Course seminars (sponsored by Google) held at St. Xavier's College, Kolkata.
- Nov. 2017 – Jan. 2018 **Developer, Xavotsav Website**, *Designed and developed a website for the cultural fest of St. Xavier's College, Kolkata.*

Leadership

- Feb 2019 **Event Head ENIGMA**, Science Association, Coding Event, St. Xavier's College, Kolkata.
o Role: Conduct and organize the annual coding event of Science Association, St. Xavier's College.
- July – Sep., 2018 **Head of Graphics Design Team Analytica**, Department of Mathematics, St. Xavier's College, Kolkata.
o Role: Lead a team of 5 highly motivated designer to create and design all the graphics content that were used at the event.
- Aug. 2018 – Jan. 2019 **Coordinator & Teacher, National Service Scheme (NSS) Social Work**, St. Xavier's College, Kolkata.
o Role: Coordinated and organized tours (four times) for educating the unprivileged.

Relevant Certifications

- 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.

Miscellaneous

Social Work

- 2011 **Global Cancer Concern India**, Raised donation, Central Modern School.
- Oct. 2010 **Blind Person's Association**, Raised donation, Central Modern School.

Extracurricular

- June 2019 – Present **Blogs**, I seldom write blogs in my free time. I also maintain a page where I put all my PDF writings.
- 2017 – 2018 **Games**, I used to create several games during my B.Sc. in St. Xavier's College. The games can be played online from my Projects page.

Jan. 2016 **Service Selection Board (SSB)**, Indian Army (5 days selection).

Jan. 2010 **Yellow Belt**, Karate-do, Central Modern School, Kolkata.

Volunteering

Aug. 2018 **Blood Donor**, National Service Scheme (NSS), St. Xavier's College, Kolkata.

Feb 2017 **Volunteer**, for eXabyte fest, St. Xavier's College, Kolkata.

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)