

# Jimut Bahan Pal

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

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## 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**.

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## Selected Publications

- 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.
- 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).

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## 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.*

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## 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 - 3<sup>rd</sup>**, *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 – **Computer Application teacher, RKMVERI, Belur, Howrah.**  
April, 2020 Taught the class of PGDY (2020-21) comprising 12 students about general computer applications.
- Jan – March, **Project Intern, Data Sutram**, Rabindra Sarovar, Kolkata.  
2019 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 – **Developer, Xavotsav Website**, *Designed and developed a website for the cultural fest of St. Xavier's College, Kolkata.*  
Jan. 2018

## 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., **Head of Graphics Design Team Analytica**, Department of Mathematics, St. Xavier's  
2018 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 – **Coordinator & Teacher, National Service Scheme (NSS) Social Work**, St. Xavier's  
Jan. 2019 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 – **Blogs**, I seldom write blogs in my free time. I also maintain a page where I put all my  
Present 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.

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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)