

Jimut Bahan Pal

M.Sc. CANDIDATE

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Education

Ramakrishna Mission Vivekananda Educational and Research Institute

M.Sc. IN COMPUTER SCIENCE, CGPA: 8.51/10.0

Belur, Howrah

June 2019 - June 2021

St. Xavier's College

B.Sc. (HONS.) COMPUTER SCIENCE, CGPA: 7.46/10.0

Park Street, Kolkata

May 2016 - May 2019

- **Analytica** — *Head of Graphics Design Team*, Mathematics Department
- **ENIGMA** — *Event Head*, Science Association, Coding Event
- **Key-note Speaker** — *Google*, MLCCSXC
- **SSB** — *Extracurricular*, Indian army
- **NSS (National Service Scheme)** — *Coordinated tours (four times) for educating the unprivileged, Social Work*
- **Developer** — *Xavotsav Website*

Skills

Languages Python, C++, Java, C, JavaScript, CSS, HTML, \LaTeX

Frameworks Tensorflow, Keras, Pytorch, Jekyll

Experience

Data Sutram

PROJECT INTERN

Rabindra Sarovar, Kolkata

Jan 2019 (1 mo)

- Gained Valuable insights from data by scraping data sources
- Created Visualizations

Projects

DRRMSAN: Deep Residual Regularized Multi-Scale Attention Networks for segmentation of medical images

RKMVERI

[🔗] [SLIDES]

August 2020 - February 2021

- A novel Deep learning architecture is proposed which can segment images at multiple scales, leading to high dice coefficient in majority of challenging datasets.
- A novel attention module is proposed, loss at different scales are optimised and segmentation masks are added using Bayesian Optimization.

CAPTCHA

RKMVERI

[🔗] [SLIDES] [ARXIV:2006.11373]

March 2020 - June 2020

- Deceiving computers in Reverse Turing Test through Deep Learning.
- We have obtained about more than 99.5% accuracy on most of the models, which converges at about 5 epochs

Wisp

St. Xavier's College, Kolkata

[🔗] [SLIDES] [ARXIV:2002.05886]

August 2018 - June 2019

- A real time preference based location finder application is built.

Jimutmap

Datasutram

[🔗] [PYPI PACKAGE 1.3.7]

January 2019 - February 2019

- This manually brute forces apple-map.
- It scraps all the tiles (image and road mask pair) as given by the parameters provided by the user.
- This uses an API-key generated at the time of browsing the map.

MIS

St. Xavier's College, Kolkata

[🔗]

January 2018 - May 2018

- Management Information System in tkinter.

Jimner

[🔗] [PYPI PACKAGE 1.2.3]

- Banner for terminal.
- Total of 314 fonts are present.

St. Xavier's College, Kolkata

January 2019 - February 2019

JGD

[🔗]

- This program scraps and download every public repo present out there without any auth/token.
- Useful when you just need to download files of a folder, and not the whole repo.

St. Xavier's College, Kolkata

August 2019 - August 2019

Games

[🔗 PROJECTS]

- Roller Madness Game - [▶ Play] [📄] [📺] [🔗] — Game built in Unity3D to collect coins before zombie catches you.
- Box Shooter Game - [▶ Play] [📄] [📺] [🔗] — Game built in Unity3D to shoot boxes before time runs out.
- Super Sparty Brothers 2D - [▶ Play] [📄] [📺] [🔗] — Mario type game built in Unity3D.
- Solar System Simulation - [▶ Play] [📄] [📺] [🔗] — Simulation using Unity3D.
- FPS GAME beta - [📄] [📺] [🔗] — Game built using Unity3D
- Classic Pong Game - [▶ Play] [🔗] [📺] [🔗] — Game built using Python3 Codeskulptor
- Memory Game - [▶ Play] [🔗] [📺] [🔗] — Game built using Python3 Codeskulptor
- Stopwatch Game - [▶ Play] [🔗] [📺] [🔗] — Game built using Python3 Codeskulptor
- Jump and Roll 2D - [▶ Play] [🔗] [📺] [🔗] — Game built using Javascript

St. Xavier's College, Kolkata

August 2017 - February 2019

Certificates

TensorFlow in Practice Specialization

COURSERA - LICENSE: TUKRVHKG2SJW

DeepLearning.AI

December 2019

Deep Learning Specialization

COURSERA - LICENSE: 88P8SNNTFTH

DeepLearning.AI

March 2019

Applied Data Science Specialization

COURSERA - LICENSE: K36A43C6J3N7

IBM

September 2018

Python for Everybody Specialization

COURSERA - LICENSE: RQHE57YQZ2ZW

University of Michigan

January 2018

Publications

- [1] J. B. Pal. How to cluster nearest unique nodes from different classes using jjcluster in wisp application?, 2020.
- [2] J. B. Pal and D. Mj. Drmsan: Deep residual regularized multi-scale attention networks for segmentation of medical images. (Ongoing).