Soujanya Ray

Independent Researcher

A human, looking for answers to the questions in the universe.

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EDUCATION

Bachelor in Technology
Netaji Subhash Engineering College

05/2015 - 06/2019

Discipline
- Computer Science and Engineering.

Master in Technology
National Institute of Technology, Sikkim

08/2020 - Present

Discipline
- Computer Science and Engineering

ACTIVITY & ACHIEVEMENTS

Student Lead
Developer Student Clubs by Google Developers

08/2017 - 12/2018
by Google Developers

Tasks
- Conducted Workshops on Machine Learning and Deep Learning.

Contact: *developerstudentclubs@google.com*

Machine Learning Crash Course
by Google Developers

10/2018 - 11/2018   *Kolkata*
Calcutta University Saltlake Campus(Delivered by DSC Kolkata)

Tasks
- Taught Machine Learning to 200 students.

TCS Enginx
2nd Runner up

08/2018   *Mumbai*

Achievements
- Solved the traffic congestion problem on a physical prototype using image processing and reinforced learning.

SKILLS

`Pyhton` `Physics` `Mathematics` `Machine Learning`

`Deep Learning` `Quantum Computing`

`Theoretical Computer Science`

PUBLISHED RESEARCH PROJECTS

Centroid-Based Hierarchy Preserving Clustering Algorithm Using Lighthouse Scanning
- https://doi.org/10.1007/978-981-15-2188-1_22

Voting in Watts-Strogatz Small-World Network
- https://doi.org/10.1007/978-981-15-7834-2_31

Realization and Implementation of Optical Reversible Universal Quadruple Logic Gate (ORUQLG)
- https://doi.org/10.1109/ICCE50343.2020.9290649

PERSONAL PROJECTS

A comparative study on strategies of testing the SARS-CoV-2
Paper Communicated

Lockdown in a pandemic - boon or bane?
Paper Communicated

An emotion-based, human-centric media recommendation model.
Under development

Classifying musical genre from spectrogram using deep learning
Under Development

Verifying corelation of emotions in songs from lyrics and music.
Under Development

Performance and error modeling of Deutsch-Jozsa algorithm in IBM Q
Under Development