Subrata Sarkar

Project Engineer

Python enthusiast likes to automate all boring stuff | deep learning enthusiast

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stackoverflow.com/users/8269124/subrata-sarkar

EDUCATION

Computer Science and Engineering

Government College of Engineering and Ceramic Technology Pursuing Bachelor of Technology

06/2017 - 07/2021   *Kolkata, India 9.24*

12th (Senior Secondary Examination) , Central Board of Secondary Education

Amrita Vidyalayam

2017   *Durgapur ,India 85%*

10th (Secondary Examination) , Central Board of Secondary Education

Amrita Vidyalayam

2015   *Durgapur, India 84.7%*

PROJECTS

TB and Pneumonia Detection using Deep Learning on X-Ray images ⤢

- We used Keras to perform deep learning by building a convolutional neural network architecture. This model provides around 89% accuracy on test data set which is great if we consider training data. Also proof of concept published in Scientific Voyage

Built result management system for college - OpenResult (04/2020 - 07/2021) ⤢

- We developed a Result Management system for college. It also generates result for students. Implemented multiple security features such as email confirmation and password reset facility.

Pyhinavrophonetic - convert phonetic text to hindi ⤢

- English phonetic to hindi unicode conversion python package. A hindi version of the official Python port for Avro. Available on pypi.

Myocardial Ischaemia detection (07/2020 - 07/2021) ⤢

- We used Keras to build a 1D CNN model for classifying myocardial ischaemic ECG as final year project. We achieved around 91% accuracy on test data set.

SKILLS

Python   C   C++   Java   HTML   CSS   SQL   Flask

ACHIEVEMENTS

Qualified to ICPC Kharagpur Regionals 2019 ⤢

Qualified Round 1B of Codechef Snackdown 2019 ⤢

Coordinated coding event in college technical fest KARMATEK 2k19 (03/2019 - 03/2019)

CERTIFICATES

Internship on Malaria Detection under guidance of Dr.Kushal K. Shah(IISERB) (06/2020 - 08/2020) ⤢
Malaria detection from RBC images using shallow Convolutional Neural Networks

Six weeks Machine Learning training & certification by Internshala Training (06/2020 - 07/2020) ⤢

Neural Networks and Deep Learning by Coursera (05/2020 - 06/2020) ⤢

Six weeks Data Science training & certification by Internshala Training (06/2019 - 07/2019) ⤢

Twelve weeks certification "Joy of computing using Python" by NPTEL (01/2019 - 04/2019) ⤢

LANGUAGES

English
Full Professional Proficiency

Bengali
Native or Bilingual Proficiency

Hindi
Limited Working Proficiency

INTERESTS

Automate boring stuff   Drawing

reading manga