Subrata Sarkar
Project Engineer

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

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🐙 github.com/SubrataSarkar32   stackoverflow.com/users/8269124/subrata-sarkar

WORK EXPERIENCE

Project Engineer
Wipro Limited

07/2021 - 08/2022,

Support and maintain Managed File Transfer

- Support and maintain Managed File Transfer system and delivered several automation fixes on time

PROJECTS

TB and Pneumonia Detection using Deep Learning on X- Ray images (07/2019 - 12/2020)[Paper published] ↗

- 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 (09/2016 - 08/2017) ↗

- 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 ischemic ECG as final year project. We achieved around 91% accuracy on test data set.

SKILLS

`Python` `C` `C++` `Keras` `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)

EDUCATION

MTech(Computer Science and Engineering)

National Institute of Technology, Durgapur

08/2022 - 08/2024   *Durgapur, India Pursuing*

BTech(Computer Science and Engineering)

Government College of Engineering and Ceramic 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%*

CERTIFICATES

Internship on Malaria Detection under guidance of Dr.Kushal K. Shah(IISERB) (06/2020 - 08/2020)[pre-print published] ↗

Malaria detection from RBC images using shallow Convolutional Neural Networks ↗

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

INTERESTS

`Automate boring stuff` `Drawing` `reading manga`