Subrata Sarkar

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

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🌐 subratasarkar32.github.io

⊙ github.com/SubrataSarkar32

🗎 stackoverflow.com/users/8269124/subrata-sarkar

EDUCATION

Computer Science and Engineering

Government College of Engineering and Ceramic Technology Pursuing Bachelor of Technology

06/2017 – Present   *Kolkata, India*

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. We also converted the model into tflite model to be used for mobile applications.

Chatpit ⌇

- A chat app for android with no encryption. Annonymously post messages in a group , the groups consist of users who are registered app users and are saved contacts of the creator of the group.

Multi class text classification using Google BERT and tensorflow ⌇

- We used Google BERT uncased model with tensorflow to predict product category from product description. This model provides around 90% accuracy on validation dataset which is great if we consider training data.

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.

Cat, dog and human classifier ⌇

- We used Keras to build a CNN model for classifying cat, dog and human images. We achieved around 80% 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 ⌇

CERTIFICATES

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) ⌇

Eight weeks certification "Introduction to Machine Learning" by NPTEL (08/2018 – 10/2018) ⌇

LANGUAGES

English
Full Professional Proficiency

Bengali
Native or Bilingual Proficiency

Hindi
Limited Working Proficiency

INTERESTS

Automate boring stuff   Drawing