Urmila Saha

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Objective

Looking for a challenging career which demands the best of my professional ability in terms of, technical and analytical skills and helps me in broadening and enhancing my current skill and knowledge.

SKILLS

* Technology/Languages : Python, C, HTML,CSS, Core Java
* IDE : Jupyter Notebook, Python
* Tools : MS Office
* Database Platform : Oracle, MySQL
* Operating System : Windows, Ubuntu

CERTIFICATION

* NPTEL Elite Certification for Data Structure & Algorithm
* NPTEL Elite Certification for Data Base Management System
* AWS certificate for what is Machine Learning?
* AWS certificate for Job Roles in the cloud
* AWS certificate for AWS Foundation:Getting Started with the AWS Cloud Essentials
* AWS certificate for what is Artificial Intelligence?
* AWS certificate for what is Deep Learning?

EDUCATION

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| **Degree** | **Discipline** | **Institute** | Board / **University** | **Year of**  **Passing** | **Aggregate %/ CGPA** |
| B.Tech | Computer Science&  Engineering | University Of  Engineering &  Management,  Kolkata | Autonomous | 2020 | 80.31 |
| Higher  Secondary | Science | Halisahar High School | WBCHSE | 2016 | 69.83 |
| Secondary | All | Morepukur  Saibalini Devi  Uccha Balika  Vidyeniketan | WBSE | 2014 | 73.00 |

INDUSTRIAL TRAINING

Programming Language : Python

IDE : Jupyter Notebook

Institution : NIIT

Duration : 1 month

**Project Title: EPILEPTIC SEIZURE DETECTION USING ENSEMBLE CLASSIFICATION**

**Project Details:**

Ensemble learning is a part of Data Mining Technique. Ensemble

Learning results by combining several models. This approach allows the production of better predictive performance compared to a single model. Basic idea is to learn a set of classifiers and to allow them to vote. The main challenge is not to obtain highly accurate base model, but rather to obtain base models which make different kind of errors.

If ensembles are used for classification, high accuracies can be accomplished if different

Base models misclassify different training examples, even if the base classifiers accuracy

is low.

There are two types of Ensemble Classifiers:

1. Bagging
2. Random Forest

Epilepsy is a neurological disorder including disorders of the nervous system caused by

Brain .The performance of EEG based epileptic seizure detection relies largely on the

quality of selected features from an EEG data that characterize seizure activity. For detecting seizure, we used Random Forest Classifier to improve the accuracy level. This Ensemble method takes less time to train the dataset.

PROJECT HIGHLIGHTS

Programming Languages : Python

IDE : Jupyter Notebook

Institution : University Of Engineering & Management, Kolkata

Duration : 3 month

Project Title: MULTI LABEL IMAGE CLASSIFICATION

Project Details:

Multi-label learning is a form of supervised learning where the classification algorithm is required to learn from a set of instance. Each instance can belong to multiple classes and so after be able to predict a set of class labels for a new instance. This is a generalized version of most popular multi-class problems where each instances is restricted to have only one class label. The methods can be broadly classified into two groups: problem transformation and algorithm adaptation.

While convolution neural network (CNNs) have shown a great success in single level image classification. It is important to note that real world images generally contain multiple labels which could correspond to different objects, scenes, actions and attributes in an image. Traditional approaches to multi-label image classification learn independent

Classifiers for each category and employ ranking or thresholding on the classification results. This technique although working well, fail to achieve a higher accuracy rate and slow and much time consuming. So to overcome these drawbacks we have used

mobileNet version 2 and transfer learning where we can gain a higher accuracy rate and training gets faster.

INTERNSHIP

* Organization : JPMorgan Chase & Co

Project : SOFTWARE ENGINEERING VIRTUAL EXPEREIENCE

Period : June 2020 to July 2020

* Organization : Microsoft

Project : SOFTWARE ENGINEERING VIRTUAL EXPEREIENCE

Period : July 2020 to September 2020

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PERSONAL DETAILS

* Date of Birth : 8th September 1998
* Father’s Name : Jiban Krishna Saha
* Citizenship : Indian
* Married : No
* Languages Known : English ,Bengali, Hindi
* Valid Passport : Yes

DECLARATION

I hereby declare that the above-mentioned information is correct up to best of my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

(Urmila Saha)