Souveek Roy

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A strong learner and an engineering undergrad. Practical knowledge is more important to me than theoretical. An eagerness to learn new things and a desire to finish what has been left unfinished. I've worked with Python before and know what it wonders are. My favourite python-related domains are Machine Learning , Data Analysis and Visualization.

EDUCATION

Bachelor of Technology (B.Tech.) - Information Technology Aug 2016 - Nov 2020
B.K. Birla Institute Of Engineering And Technology, Pilani
7.2 CGPA

Senior High School - Science Apr 2014 - Apr 2016
Buxi Jagabandhu English Medium School, Bhubaneshwar
64.5 %

Junior High School Apr 2013 - Apr 2014
DAV Public School MCL KA, Talcher
8.8 CGPA

INTERNSHIPS

Machine Learning Intern Oct 2019 - Dec 2019
Eckovation, New Delhi
-Study and transform data science prototypes.
-Create applications for machine learning.
-Investigate and incorporate effective machine learning algorithms and tools. -Create machine learning frameworks that fits the requirements.
-Choose the right datasets and data representation techniques.
-Experiment with machine learning tests.

Python Teaching Assistant Aug 2019 - Nov 2019
Achiwer, Indra Palem
-Teaching python to students from rural areas online.
-I was responsible for training individuals, ensuring that they were industry-ready, and assisting them in establishing a successful career.

CERTIFICATIONS

SQL for Data Analysis 2020
Udemy

Machine Learning 2019
Eckovation

Data Analysis and Visualisation 2019
Udemy

Python 2019
Udemy

PROJECTS

Hindi Handwriting Recognition (07/2019 – 07/2019)

This is a Devanagari Script Character Recognition System that I developed. The learning model was trained on 92 thousand images (32x32 pixels) of 46 characters, ranging from 0 to 9, with consonants "ka" to "gya." It was possible to achieve the best score, which was 96 percent accuracy**.**

Emojinator(Emoji Recognition) (08/2019 – 08/2019)

Emojis are ideograms and smileys that can be found in text messages and on websites. Emoji come in a variety of forms, including facial expressions, everyday objects, locations and weather conditions, and animals. Emoji are similar to emoticons, but instead of being typographics, they are real images. The ML model in this project can recognise emojis based on hand gestures.

Breast Cancer Detection

Found out how to detect breast cancer by applying a logistic regression model on a real-world dataset and predict whether a tumor is benign (not breast cancer) or malignant (breast cancer) based off its characteristics. Was able to build a logistic regression model to identify correlations between the following 9 independent variables and the class of the tumor (benign or malignant).

Twitter Sentiment Analysis

The use of advanced text mining techniques to evaluate the sentiment of the text in the form of positive, negative, and neutral is known as Twitter Sentiment Analysis. It's also known as Opinion Mining, and it's used to analyse exchanges, viewpoints, and exchange of views (all in the form of tweets) in order to decide on business strategies, political analysis, and evaluating public behaviour.

Board Game Predictor

A dataset of about 82000 rows and 20 columns was provided for this project, which included reviews of various board games. Then, based on several features of the datasets, a supervised machine learning model was trained and evaluated to predict the ratings provided to a specific board game. To determine which machine learning algorithms are ideally suited for predicting the average ratio.

SKILLS

Intermediate in: Python, Machine Learning, Data Analysis and Visualization, PostgreSql