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EXPERIENCE

Incture Technologies

Software Engineer Trainee

Bangalore, India

September 2020 -

- Being a backend developer in Java, My work involves in creating REST API's using Spring framework and deploy the applications in SAP Cloud platform using SAP HANA database.

Tools used: Java, Spring REST, Hibernate, Spring Boot, SAP CPI, XSJS.

PROJECTS

Calorie Estimation using Segmentation Algorithms. 🧠

We built a shallow deep neural network to classify the Indian food items and then using GrabCut algorithm we segmented the required part. Then using volume estimation techniques we successfully calculated the approximate calories carried by the food item. We built the custom dataset of the food images by python web scraping

Image Colorization with Deep Convolutional Neural Networks. 🧠

This project presents a convolutional neural network that faithfully colorizes the black and white photographic images without any human assistance. The final classification based model we build generates colorized images that are significantly more aesthetically pleasing than those created by the base line regression-based model.

Generating Memes using Deep learning. 🧠

In this project, we specifically refer to meme generation as the task of generating a humorous caption in a manner that is relevant to initially provided image(meme template). Our model uses a pretrained Inception-v3 network to return an image embedding which is passed to an attention-based deep-layer LSTM model producing the caption.

Solar Irradiance Forecasting using LSTM networks 🧠

This project proposes a novel granule processing based structure for prediction intervals (PIs) development of solar irradiance time arrangement that has significant impacts on sun oriented force creation. Recognized from most existing strategies, the new casing work can address both stochastic and information vulnerabilities in developing PIs.

SKILLS

Languages

Python, Java, C++, C.

Tools/ Frameworks

Pytorch, Tensorflow, Keras, Spring, Django, SAP CPI, Git.

Artificial Intelligence

Machine Learning, Deep Learning, Computer Vision, GANs, Natural Language Processing.

EDUCATION

National Institute of Technology, Silchar

Bachelor of Technology in Electrical Engineering

May 2020

CGPA : 7.70

Narayana Junior College

Intermediate (Mathematics, Physics, Chemistry)

April 2016

Percentage : 97.9