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India

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Ashribad Jena

Deep Learning Engineer

SUMMARY

Innovative Artificial Intelligence Engineer possessing strong mathematical skills and detailed knowledge of machine learning evaluation metrics and best practices. Offering 4 years of experience creating programs and algorithms to enable machines to take actions without being directed. Expertise in predictive analysis, data mining and computational statistics. Logical and detailed professional with exceptional Python coding.

PROFESSIONAL EXPERIENCE

Deep Learning Engineer   Jan '19 - Present

Addicor Technology   Bengaluru, KA

Addicor Technology   Bengaluru, KA Addicor technology is a leading it service-based company in India. Designed machine learning systems and self-running artificial intelligence (AI) software to automate predictive models. Developed ML algorithms to analyze huge volumes of historical data to make predictions. Turned unstructured data into useful information by auto-tagging images and text-to-speech conversions. Researched and implemented best practices to improve existing machine learning infrastructure. Research paper Implementation.

Machine Learning Engineer   Jan '18 - Dec '18

BEPEC SOLUTIONS

BEPEC SOLUTIONS   Bengaluru, KA Bepec Solutions is a serviced-based company in Bengaluru and head office in Canada. Created customized applications to make critical predictions, automate reasoning and decisions, and calculate optimization algorithms. Transformed raw data to conform to assumptions of the machine learning algorithm. Designed, implemented, and evaluated new models and rapid software prototypes to solve problems in machine learning and systems engineering.
Algorithms I Have worked on such as Linear Regression, Logistic Regression, Decision tree, Random Forest, Boosting, KNN, SVM, Naive Bayes, PCA, Clustering.

EDUCATION

Bachelor In Technlogy; B-tech in chemical engineering   Mar '08 - Mar '12

BPUT, JITM Bhubaneswar, Odisha

CGPA:7.4

Master In Technlogy; M-tech In polymer nano technology   Mar '14 - Mar '16

BPUT, CIPET Bhubaneswar, Odisha

CGPA:8.4

PROJECTS

PROJECT
Title: Cell Instance Segmentation, Detect single neuronal cells in microscopy images.
Business case: Segmenting individual neuronal cells in microscopic images can be challenging and time-intensive. Accurate instance segmentation of these cells—with the help of computer vision—could lead to new and effective drug discoveries to treat the millions of people with these disorders.
Roles and Responsibilities: We gathered a huge number of images, images are collected from the microscope captured images, which is captured image previously. And started to analyze the images of different classes on cells. I planned to deliver whether cells infected or not and if infected segment the instance. used papers are:mmdetection, mask R-cnn, yolact.

PROJECT
TITLE: uniform and Drunken face recognition.
Business case: Uniform and Drunken face recognition of all the employees before entering the workplace. So, based on the client's requirement we built a deep learning model to help the client.
Roles and Responsibilities: We gathered a huge number of images, images are collected from the client's CCTV record, which is captured image previously. And started to analyze the images of different classes like employees' uniforms (yellow and green t-shirt) and drunken faces (drunk persons have some difference in eyes and facial expressions from a normal person). I planned to

deliver whether employees would be allowed or not to the workplace.

PROJECT
Title: Vision-based Smart Walker for Blind people.
Business case:
1: detects the objects.
2: Distance calculation between the objects and how much distance is far away
from the vertical line and notify.
3: Text generation according to the action and distance calculation, then text to speech.

Roles and Responsibilities: We gathered a huge number of images; images are collected from the stakeholder's site. Now we are in the fourth stage of the project, building an object detection model.

PROJECT
Title-1: Deasis detection of chest x-ray
Business case: The stakeholder wants to detect Deasis(8-12 diseases) in the human chest by scanning the whole chest.
Roles and Responsibilities: We gathered a huge number of images, images are collected from the client's chest scan record, which is captured image previously. And started to analyze the images of different diseases. we planned to deliver whether the patient has been infected from chest Deasis or not. And using the pertained model we successfully detected all the chest diseases.

PROJECT
TITLE: Reduce Service Ticket Allocation Time.
Business Case: Amough Solutions is an e-commerce company delivering a wide range of products to its customers. Due to more issues from the customers, even the service team takes a huge amount of time to close a ticket. We built a
solution to reduce the ticket closing time. Roles and Responsibilities: Based on the problem we thought to automate the process of ticket allocation to the concerned team member based on the ticket, based on the time taken by a team member, and based on its severity. We looked into the nature of data, most of the data were text format so by using NLP we converted this text data into vector representation · We built a word cloud to understand which issues are highly generated, which issues are taking more time and we captured more information on high repeated information. Then, we sent to the pertained or state of the art algorithm for training and testing.

PROJECT
TITLE: Educational Chatbot
Business Case: Stakeholders is from educational background; they have a number of educational institutes. So, our client wants to automate the answer of educational quarries.
Roles and Responsibilities: Due to a huge number of questions arising per day, it was impossible to answer all the questions by coordinating team members. After better understanding the business problem, then we decided to create a chatbot. Then we gathered a huge number of data based on the educational quarries with the predefined answers. Then pre-processed the data and sent it to the pertained or state-of-the-art algorithm for training and testing. We got a good result in this transfer learning algorithm.

PROJECT
TITLE: stock market analysis.
Business Case: Stakeholders is from stock market, they want to analyze the next 30 days stock.
Roles and Responsibilities:
Then we got huge number of data based on the previous stock history(data consist of 2 variables are:date, adclose).Then pre-processed the data and sent it to the arima model for training and testing. We got a 31% accuracy in the fisrt approch, then we implemented a research paper and got good accuracy.

KEY SKILLS

creating programs	predictive analysis	data mining and computational statistics	Deep Learning
machine learning	artificial intelligence	algorithms text-to-speech raw data	machine learning algorithm
Linear Regression	Logistic Regression	KNN SVM Naive Bayes Clustering	object detection
NATURAL LANGUAGE PROCESSING	NLP cloud algorithm Chatbot		