



OBJECTIVE

A versatile, high-energy python developer with the distinction of executing prestigious projects of large magnitude within strict time schedule

SKILLS

Python, Docker, Deep Learning/ Machine Learning, Data Engineering /Data Analysis, Computer Vision /NLP, Django

IT SKILLS

Platform

Tensorflow, Keras, Tensorflowjs, Pytorch

Operating Systems

Ubuntu, Windows

Development Environments

Jupyter/IPython notebook, Spyder, VS Code

Tools

Google Object Detection APIs, openALPR, Docker

Others

Training and Testing on GPU, Numpy, Pandas, OpenCV, JSON, XML, ReST, etc

Cloud Services

Azure, AWS, GCP, Dialogflow, Amazon Lex

EXPERIENCE

Absolutdata Analytics

Analyst - Data Science

February,
2021 -

Work with Data Scientists and Product Managers to frame a problem, both mathematically and within the business context. Also, work closely with development teams to ensure accurate integration of machine learning models into firm platforms

Development and deployment of AI based solutions using various cloud services s.a Azure, AWS and GCP.

GreenTech ITS LLP

Data Scientist

October,
2019 -
June, 2020

Development of AI based solutions for Intelligent Transportation System using various deep learning and computer vision libraries

Leading AI Team and ensuring product delivery.

Research on selection of hardware for the smooth functioning of AI applications

Zentrum Technologies Pvt Ltd

Machine Learning Engineer

August,
2018 -
September,
2019

Planning and implementation of various computer vision products. Research on various methods that could assist for the accomplishment of task

Managing and assigning tasks to ML Interns team

Coordinating with team members for system design, integration, product maintenance, etc.

DRDO

Research Intern

January,
2018 - July,
2018

Working with team members for developing object detection and tracking solution.

Developing MATLAB scripts for various Machine Learning, and Image Processing algorithms.

PROJECTS

WCG Data Extraction

Development of POC for WCG to extract the data for clinical trials from pdf and scanned documents.

Used Bert, Stanford-NER, tesseract and tabula for developing the prototype.

Store Closure

Generating AI based solution for predicting closing probability of a store taking in consideration various geographic, sociodemographic and fermografic factors.

Developed solution using Azure services for model development and versioning.

Chatbot Development

Developed Chatbot using Google Dialogflow for inhouse product

Development chatbot for a multinational tobacco company using Amazon Lex

Planogram Compliance

Develop automated and deep learning driven solution to calculate the planogram compliance by comparing the planogram of previous and after images clicked by sales representative.

PPE Compliance and ANPR

Ensuring PPE(Personal Protective Equipment) Compliance at Numaligarh Refinery Limited along with ANPR at residential area

ATCC & EC

Design & develop ATCC(Automatic Traffic Classifier cum Counter) and EC(Exempted vehicle Counter)

Deep learning based automatic vehicle classification and counting module. Along with AI module for monitoring violation in exempted vehicle lane at Toll plaza

Solution was developed using object detection and tracking algorithms.

Underwater Fish Detection and Tracking

Machine Learning based Underwater Fish Detection and Tracking system developed for behaviour analysis of fishes.

The solution was made by incorporating various feature extraction algorithms with SVM.

PUBLICATION

SUZE: A Hybrid Approach for Multi-fish Detection and Tracking

<https://ieeexplore.ieee.org/document/9389154>

EDUCATION

Banasthali University

2014 - 2018

B. Tech (Information Technology)

73%

CBSE

2013-2014

12th

83.6%

CBSE

2011-2012

10th

10 CGPA

CERTIFICATIONS

Successfully completed six months as **Research and Development Intern** at **DRDO, Delhi** on Machine learning using Matlab on topic "**Underwater Fish Detection and Tracking**"

Completed six weeks Summer Training on **Android Web Development** at **CETPA Info Pvt. Ltd, Roorkee** from May'24 to July'4,2017

Achieved **Distinction** with 82.33% at the **Diploma in Modern European Language(French)**,2016 from Banasthali University

Presented a seminar on topic "**Cloud data Management:Neo4j,a technique**"