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SUMMARY

Data Engineer with 2+ years of experience and an enthusiastic learner with a strong academic background coupled with hands-on experience in emerging technologies like **Artificial Intelligence and Machine Learning (AIML).**
A great team player with an ability to communicate efficiently and effectively. Hands on experience on Data Collection, Exploratory Data Analysis, Data Preprocessing, ML Model Building and hyper parameter tuning.

OBJECTIVE

Aspiring to be a successful data scientist in the field of Artificial Intelligence and Machine Learning. Also, open to learn and adopt other emerging technologies in implementing innovation solutions.

WORK EXPERIENCE:

Prodapt Solutions Private Limited:
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Project 1: **Diagnostics as a Service** (April 2022 – Till Now)

- Diagnostics as a Service for Telecom projects where performing Predictions and remote fix actions of dispatches with help of bots.
- Forecasting the problematic Lux boxes using ML Models.
- This project is based on networking where we need to look at ISP lines like GPON & Quantum Fiber Line metrics which helps us to fix the issues remotely. Built Pipelines using Machine learning models to predict on a daily basis in reactive and proactiveapproach to perform remote fix actions in such a way to avoid productive dispatches and increase nonproductive dispatch which results in Million dollar savings for the client.

Project 2: **Adroit Chatbot** (March 2021 – Mar 2022)

- Working as a Chatbot developer using Rasa framework for US based Networking clients.
- Development of API's using Fast and Flask modules in Python.
- Writing SQL queries to extract and update the information.
- Working experience on Python
- Working with a Docker (Image building, Checking the logs of services, Dealing with containers etc)
- Have the working experience on version control tools like Git and Azure.
- Build & Design conversational chatbots / voice bots in enterprise domain using RASA.

KEY SKILLS

Chatbot Development	RASA framework, Dialog Flow.
API Development	FLASK module and Fast API using python
Docker	Image building, making services Up and Down, dealing with containers etc
GitHub	Pushing the code in git repository, creating branches and Repos.
Supervised Learning	Classification, Regression, Decision Trees, Ensemble Techniques, Random Forest, KNN, Logistic Regression, Naïve Bayes, Support Vector Machines (SVM), Support Vector Regression (SVR)
Unsupervised Learning	K-means clustering, Hierarchical and non-Hierarchical clustering, PCA
Programming Languages	Python, SQL
Deep Learning	Neural Network (ANN), CNN, Computer Vision, Natural Language Process, Long-Short Term Memory
Statistical Methods	Predictive Analysis, Exploratory Analysis, Hypothesis Testing, ANOVA.
Tools	Scikitlearn, Matplotlib, Tensor flow, Keras, seaborn, Numpy, Pandas.
cloud	GCP, Azure, BigQuery
EXCEL, MS OFFICE	

CERTIFICATIONS:

- I am Certified in AI-900 - Microsoft Azure AI Fundamentals.
- I have secured First Division in C Language practical examination conducted by AIACTE (All India Academy of Computer and Technical Education)
- I got the merit certificate from Great Learning in a project showcase event in the area of Artificial Intelligence and Machine Learning for the project "COVID -19 Detection from chest X-ray's Using Transfer Learning". It was a YouTube live event on 16th of August 2020: https://www.youtube.com/watch?v=LSiW56VGL64

TECHNICAL ACHIEVEMENTS:

- I prepared a Capstone project which was selected by ISDSI- Global Conference 2021 held at IIM Nagpur, India. I received certification for presenting my capstone project in ISDSI- Global Conference.
- I participated in CAD Premier League-2021 [CAD - Cloud AI Data science] in a team and received a merit award for the team.

HANDS ON PROJECTS

Capstone Project - COVID-19 Detection from Chest X-rays using Transfer Learning

In this study, we implemented **COVIDx-19 NET**, a Deep Convolution Neural Network designed to detect the COVID-19 cases from the chest x-ray images that comprises pneumonia, normal and COVID-19. This project comprises Image Classification and Object Detection. In the image classification, we obtained the accuracy as 95% using VGG16, a pre-trained model from keras preprocessing library. We implemented YOLOv4 for object detection with a mAP (mean Average Precision) of 0.39. The data was collected from

Publicly available pneumonia x-rays from National Institutes of Health Clinical Center (NIH), combined them with the chest x-ray images that are available for the open source from covid-chest X-ray dataset and combined with the publicly available COVID-19 chest x-ray images. Also, the transfer learning technique using the pre-trained models has helped in building our model quickly with a very good accuracy.

Dog Breed Identification - Determine the breed of a dog in an image

This Kaggle project involves building a convolutional neural network capable of identifying a dog's breed from a photo and classifying it into one of the known 120 dog breeds. Different hyperparameters like optimizers, batch size, activation functions were tuned in order to get better accuracy and improve the model performance.

Skills and Tools

Computer Vision, CNN, Keras, Transfer Learning

EDUCATION:

Education	Institute	University	Percentage	Year of passing
Post Graduate Program in Artificial intelligence and Machine Learning (PGP - AIML)	Great Lakes Institute of Management, Hyderabad	University of Texas, Austin	85%	2019 - 2020
Masters in Technology (Parallel and Distributed Systems)	University College of Engineering	Osmania University at Hyderabad, Telangana, India	70%	2019 - 2021
Bachelor of Technology (Computer Science)	Vidhya Bharathi Institute of Technology, Jangaon	Jawaharlal Nehru Technological University, Hyderabad, Telangana, India	67.38%	2015