Ravi Kumar

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WORK EXPERIENCE

- **LinkCXO Global Private Limited**

  Product Engineer - AI

  - Built and trained a Machine Learning Model using Logistics Regression, Random Forest Classification, Xgboost Classification, Voting Classifier. Also calculated the accuracy of the Model Prediction using Classification Reports, Confusion Matrix, AUC Score.
  - Developed a personalized news recommender system that recommends news for the user based on his and his peer activities. The learning process of like-minded learners is collaborated to suggest new and useful content to a user.
  - Made a collaborative filtering recommendation system for suggesting new connections to the users.
  - Designed and Developed an AI-powered dating Chatbot using DistilBERT and ELMo that helps a user to find their next date or new friends.
  - Worked on a human face validation using MTCNN for a dating app.
  - Worked on user profile matching using dlib, OpenCV, and face recognition API based on various facial features and the pre-determined match percentage.
  - Deployed various models using Dockers and Kubernetes In AWS cloud, Google Cloud, and Azure.

  August 2019 onwards

- **LinkCXO Global Private Limited**

  AI Developer

  - Pre-processed a dataset with more than 100k Records using Numpy, Pandas, and D-tale.
  - Created interactive web dashboard to visualize time series data using Python Dash and Plotly library.
  - Built an AI-powered Chatbot using the Rasa framework that delivers industry-relevant latest news and reports.

  April 2019 to July 2019

SKILLS

- **Languages**

  C, Python, SQL

- **Knowledge in Technology**

  Data Structures and Algorithms

  Machine Learning:- Linear, Logistic Regression, SVM, Decision Tree, Ensemble technique, Kmeans, DBSCAN

NLP: - LSTM, GRU, Bi-lstm, Encoder-Decoder, self-attention, Transformer, BERT

Deep Learning: - ANN, CNN, RNN

Computer Vision:- VGG-Net, ResNet, Inception, GoogleNet, DarkNet

Deployment:- DVC, MLflow, Docker, Kubernetes, AWS, Azure, GCP, Heroku

- **Tools**
  Git, Google Colab, Pycharm, Anaconda

- **Framework**
  Rasa, NLTK, Spacy, Pandas, Plotly, Pytorch, Keras, Tensorflow, Sklearn, Numpy, Matplotlib

- **Project Management**
  Agile Methodology

EDUCATION

- **B.E. Computer Science**
  Visvesvaraya Technological University, Belgaum
  2014 - 2018

PROJECTS

- **Credit Card Defaulter Prediction**
  Built a model which identifies whether a customer is going to default for credit card payment or not.
  Python, Scikit-learn, xgboost

- **Wafer Fault Detection**
  Built a machine learning model which predicts whether a wafer needs to be replaced or not(i.e., whether it is working or not) based on the inputs from various sensors.
  Python, Numpy, Pandas, Scikit-learn, xgboost

- **Resume-Parser**
  Implemented an application that helps to parse information such as Name, Email, Phone Number, skillset, and the technology associated with it.
  Python, spacy, nltk, pytorch, bert

- **Text Summarization**
  Developed Abstractive and Extractive summarization techniques to summarize the documents or articles on daily news, entertainment, sports. It will produce a concise and fluent summary while preserving key information and overall meaning.
  Python, Spacy, Transformers

- **Brand Measures**

  Built an AI solution that helps to increase the sales of the product and generate revenue for the organization. This system uses STT, Audio segmentation, Spell correction, and keyword extraction on customer data.

  Python, speech recognition, Neospell, Flashtext

- **Automatic Number Plate Recognition**

  Build a basic Automatic Number Plate Recognition (ANPR) system using OpenCV and object detection in Python. The system will extract the number plate information from a picture or a static video frame and stores it in a CSV file with the date of entry.

  Python, Tensorflow, Keras, OpenCV, object detection

- **Face Recognition: Vision-Based Attendance System**

  Developed attendance system using facial recognition. The goal of the project is to identify the person and mark their attendance.

  Python, Keras, OpenCV, MTCNN

- **Vision-based solution for Shredder Machine**

  Built a vision-based solution for shredder machines to avoid hand injuries using hand detection. The system will stop automatically whenever the user's hand is crossed the threshold line.

  Python, Keras, OpenCV, Faster RCNN, SSD