Shubham Salokhe

MACHINE LEARNING ENGINEER

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Summary

Experienced ML Engineer with 3+ years of practical expertise in machine learning, deep learning, and NLP. Seeking a challenging role to create advanced AI-ML solutions, enhance customer experience, and drive business success through collaboration within a dynamic team.

Work Experience

Codiant - A YASH Technologies Company   *Indore, Madhya Pradesh*

MACHINE LEARNING EGINEER   *Jan. 2022 - Present*

- Leveraged pre-trained models to extract feature embedding from text, images, and audio, enabling the development of a highly personalized recommendation system.
- Designed, integrated, and deployed deep learning models to power recommendation systems, including Session-based, Knowledge-based, Collaborative Filtering, and Content-Based approaches. Additionally, implemented an Incremental learning system for continuous improvement.
- Designed and deployed Chat-bots using the Rasa framework, specializing in NLP tasks like intent recognition, entity extraction, sentiment analysis, and contextual dialogue management.Optimized NLP models for enhanced accuracy and integrated chat bots on multiple platforms.
- Leveraging GPT-4 for profound conversational insights and improved team communication, while also utilizing GPT-2's text generation capabilities to create tailored job descriptions for enhanced hiring processes and attracting top-tier talent. Developed Document based Question Answering using GPT-3.5/RoBERTa to fetch aircraft details from bunch of documents.
- Conducted specialized training and fine-tuning of SpaCy models to classify document files and extract entities from documents. Furthermore, I devised a scoring system based on cosine similarity using text feature embedding to evaluate the suitability of resumes in alignment with job descriptions within a SAAS-based platform..
- Efficient utilization of Azure Cognitive Services for language-related tasks and designed Azure Machine Learning pipelines, incorporating OCR, Document Classification, custom Named Entity Recognition (NER), and Relationship Entity Linking (REL) for large-scale document information extraction

Techhelper Technologies   *Bhopal, Madhya Pradesh,*

JR. MACHINE LEARNING ENGINEER   *Nov. 2020 - Jan. 2021*

- These projects offer a rich array of experiences. From creating a COVID-19 chatbot with Rasa for vital information dissemination to conducting sentiment analysis on airline data through a Streamlit app, they hone conversational AI and data analysis skills. Building a Flask-SQLite web app for URL shortening provides hands-on application development expertise. Crafting the K-Nearest Neighbor algorithm from scratch enhances machine learning proficiency. Lastly, participating in a FIFA 19 dataset hackathon for EDA and applying clustering techniques like K-Means and PCA deepens insights into unsupervised learning, making for a well-rounded skill set.
- have extensive experience in machine learning and data analysis, having implemented 10 different classification techniques for leaf classification, conducted heart attack analysis and prediction using SVM, Random Forest, and logistic regression, and built a simple linear model from scratch with gradient descent, and successfully predicted house prices using advanced regression techniques

Certificates

Neural Networks and Deep Learning   *deeplearning.ai*

JUN 2023 – MARCH 2023

- Deep Learning Specialization

Data Science Professional Certificate   *IBM, Coursera*

JUN 2020 – FEB 2021

- IBM Data Science Professional Certificate-Coursera

Machine Learning   *Stanford University, Coursera*

JUN 2020 – SEPT 2020

- Stanford University-Coursera -Andrew NG

Recommendation Systems on Google Cloud   *Google Cloud, Coursera*

MAR 2023 – OCT 2023

- Advanced Machine Learning on Google Cloud Specialization

Skills

Machine Learning	Transformers, LLM's, Predictive Modeling, AWS, Microsoft Azure, GCP, Keras , TensorFlow, PyTorch, lightning.ai, RASA, XGBoost, CatBoost, LightGBM, Numpy, scikit-learn, Pandas ,Pyplot, seaborn, Prompt-Engineering, Langchain, Faiss, Vector Database, Milvus, Generative-AI, Huggingface
MlOps	MLflow, Docker, Weights & Biases, Kubeflow, DVC
Back-end	Flask, FastAPI, Django, Sanic, Streamlit
Front-end	Hugo, Redux, React, HTML5, LESS, SASS
Programming	Python, C++, SQL, LaTeX
Languages	English, Marathi, Hindi

Education

Shivaji University   *Kolhapur, Maharashtra*
BACHELOR OF MECHANICAL ENGINEERING   *Mar. 2020*
- GPA: 2.9 / 4.0