

# 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 ENGINEER

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

### Improving Deep Neural Networks: Hyper-parameter Tuning, Regularization and Optimization

deeplearning.ai

JUN 2023 - DEC 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

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### 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

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### Shivaji University

*Kolhapur, Maharashtra*

BACHELOR OF MECHANICAL ENGINEERING

*Mar. 2020*

- GPA: 2.9 / 4.0