

sahilkumar Vaghasiya

Machine learning developer and data analytics

Innovative Machine Learning Engineer with 2+ years of experience designing, developing, and deploying real-world ML applications. Proven ability to leverage cutting-edge NLP frameworks like **LangChain** and **Streamlit**, **HuggingFace**, **FastAPI**, **React**, **Typescript** to build user-friendly interfaces for efficient data processing tasks. Proficient in Python and various libraries.

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EDUCATION

M.Sc. Data Science

University of Erlangen-Nuremberg

10/2021 - Gegenwärtig

Erlangen(GPA-1.4)

Courses

- **Machine Learning with time series and Data mining**, Artificial Intelligence, **Optimization**, **Data Science**, **deep learning**,

Bachelor of Computer Engineering

C.K. Pithawala College of Engineering and Technology

04/2017 - 07/2021

Surat(GPA-1.4)

Courses

- **Advanced Engineering Mathematics**, Analysis and Design of algorithms, **Artificial Intelligence**, **DBMS**, **Data Mining and BI**, System Programming.

WORK EXPERIENCE

AI Engineer Intern

Techmaker GmbH

09/2024 - Gegenwärtig

Achievements/Tasks

- **Apply various RAG, Langchain, Microsoft Azure, Azure DevOps, Automated Pipeline, Multilingual Data processing, Chatbot creation,React,Typescript and FastAPI** to improve the chatbot's front-end interface and back-end API capabilities.

Working student machine learning

Prazi Flat Steel AG

01/2024 - 06/2024

Achievements/Tasks

- **Regression Analysis, Excel, Data-preprocessing**, Developing ML model for predicting sales revenue and Volume.
- **Matplotlib for data visualization, TensorFlow, and scikit-learn**. Streamline **Model prediction using Streamlit**.

Internship Data Analysis/Power BI

Artrue infotech

01/2022 - 10/2022

Achievements/Tasks

- **Power BI dashboards**, key performance **metrics**. **Developed and optimized DAX queries** to improve dashboard functionality and performance. Conducted **data cleaning, transformation, and validation** to ensure accuracy and consistency in datasets.

SKILLS

Python

Tensorflow

Power BI

LLM

SQL

VS code

Git

Data Preprocessing

RAG

Linux

Business Intelligence

docker

knowledge graph-Neo4j

Prompt Engineering

Model development

YOLO

Long chain

Huggingface

Spacy

Streamlit

MSOffice

Deep learning

NLP

Generative AI

PERSONAL PROJECTS

Word_prediction_Bidirectional_LSTM

(01/2023 - 04/2023)

- Developed a Bidirectional **LSTM model for word prediction** using **NLP techniques**. Data **preprocessing tasks, tokenization, and word embedding**. Optimized model hyperparameters to achieve high accuracy in **next-word prediction**.

Credit card fraud detection using machine learning

(04/2022 - 06/2022)

- Developed and deployed a machine learning model using Python and Scikit-learn. precision, reCredit card fraud detection using machine learning, data preprocessing, feature engineering, and model tuning.


Multilingual invoice extractor(Langchain)

- **LangChain for efficient information processing**. Integrated **Gemini Pro Vision LLM for accurate data extraction from invoices across multiple languages**. Built a **user-friendly interface with Streamlit to streamline invoice data extraction**.

CERTIFICATES

Deep Learning with Tensorflow (IBM) (08/2023)

Tensorflow Badge (Google Developer Experts) (10/2022)

Prompt Design in Vertex AI (Google Cloud Badge 2024) 

LANGUAGE

English

Native or Bilingual Proficiency

German

Limited Working Proficiency