

Keval Sing Saud

My-PortFolio | [LinkedIn](#) | [GitHub](#) |

Location: Mumbai, MH, IN

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EDUCATION

University of Mumbai

Bachelor of Science in Computer Science

Mumbai, MH, IN

Jan 2018 – March 2021

EXPERIENCE

Jr. Software Developer, SquareYards

On-site – Mumbai, MH, IN

May 2022 – June 2023

- Automated data extraction and processing (Data-Mining) using Python requests and Selenium, **reducing manual effort by 30%** and increasing **data processing speed by 40%**.
- Led the development and integration of AI chatbots leveraging Langchain, Cohere embeddings, and OpenAI GPT-3.5, improving **customer interaction and satisfaction by 25%**.
- Optimized data storage and retrieval by transferring Cohere embeddings to vector databases (Pinecone and Weviate), resulting in a **30% increase in efficiency**.
- Trained Stable Diffusion Model using LoRA on proprietary datasets, enhancing product **performance by 15% and reducing response time by 20%**.

MAJOR PROJECTS

Automation Scraping Software

Python, Data-Mining, MongoDB

- Developed a sophisticated web application utilizing Django and Selenium, leveraging Requests methods for automated web scraping and robust database management.
- Implemented MongoDB for efficient storage and management of scraped data, ensuring scalability and performance.
- Included Celery for task scheduling and execution, optimizing automation workflow upto 20% faster.
- Achieved a significant **50% improvement in work efficiency**, accompanied by a remarkable **70% reduction in manual involvement**, demonstrating advanced automation capabilities.

LLM-ChatBot

Langchain, Cohere, Python, Weviate

[Source Code](#)

- Integrated **Langchain** with AI chatbot, using **Cohere embeddings**.
- OpenAI GPT-3.5 model for conversational capabilities.
- Transferred Cohere embeddings and implemented similarity search algorithm on the vector database

Convo-AI

Gemini-Pro, Google DeepMind

[Source Code](#)

- Built Chat-bot AI using **Gemini-Pro** by **Google DeepMind**.
- Gemini-Pro (Text to Text Model) for text generation.
- With a **score of 90.0%**, Gemini Ultra is the first model to outperform human experts on **MMLU**

LoRA Fine Tune - Diffusion Model

Python, Diffusers, ML

[Source Code](#)

- Trained Stable Image GEN Model using LoRA, enhancing training outcomes through improved Image generation.
- Evaluated **model Training with 30% less consumption of GPU**, guiding future improvements.

MINOR PROJECTS

Heart Disease Prediction System

Python, Flask, MySQL, Apache server, Logistic Regression

[Source Code](#)

- Developed a web-based Heart Disease Prediction System using Python and Flask.
- Integrated MySQL for storing user data and prediction results.
- Achieved 97% accuracy rate** in heart disease prediction.

SKILLS

- Technical Skills** : Programming, Data Science, Data Mining, Automation.
Frameworks (LangChain, Django, Flask, Streamlit, Gradio).
Databases (MongoDB, Cassandra, Redis, Hbase, MySQL).
ML-AI (LLMs, ML, Data-science, NLP, Diffusion).
- Libraries** : Selenium, Requests, OCR, Pandas, Matplotlib, Scikit-Learn, Numpy, Computer Vision
- Languages** : Python, SQL, JavaScript, C++, Java
- Typesetting** : LaTeX
- Soft Skills** : Communication, Problem Solving, Teamwork, Adaptability, Time Management, Leadership

CERTIFICATIONS

- [Scientific Computing \[Python\]](#)
- [Data Science 101 \[Python\]](#)

TOOLS AND UTILITIES USED

- LLMs** : Gemini, GPT, Falcon, MPT-30B, Claude, Llama, Phi
- Dev Tools** : HuggingFace, Kaggle, Visual Studio Code, Git, GitLab, PyCharm, Visual Studio, NetBeans, Anaconda

DECLARATION

- I do hereby declare that all statements given by me as above are true, complete, and correct to the best of my knowledge and belief.