

# 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

### University of Mumbai

Master of Science in Computer Science  
SEM-I

Mumbai, MH, IN

Ongoing

## 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**.

### Freelance Python Developer

Self-Employed

Jan 2022 – May 2022

- \* Developed predictive models, Flask Web app for client-specific needs, resulting in an average accuracy improvement of 15%.
- \* Collaborated closely with some international clients to understand objectives and deliver tailored solutions within agreed timelines.

## 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**

- \* 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

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**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

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**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

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- [ML Wokshop at IITB](#)
  - \* Completed an intensive workshop conducted by esteemed faculty at IIT Bombay.
  - \* Enhanced proficiency in predictive analytics and data-driven decision-making, resulting in a 20% increase in efficiency in analyzing and interpreting complex datasets.
- [Scientific Computing \[Python\]](#)
- [Data Science 101 \[Python\]](#)

## TOOLS AND UTILITIES USED

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**LLMs** : Gemini, GPT, Falcon, MPT-30B, Claude, Llama, Phi

**Dev Tools** : HuggingFace, Kaggle, Visual Studio Code, Git, GitLab, PyCharm, Visual Studio, NetBeans, Anaconda

## DECLARATION

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- 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.