

Pratik Bhande

Pune, India

• +91 9322396354

• [LinkedIn](#)

• Email: pratikbhande0@gmail.com

Education

All India Shri Shivaji Memorial Society IOIT , Pune

B.Tech. Artificial Intelligence and Data Science

CGPA: 9.11/10.0

Graduation Year:2024

Technical Skills and Tools

Programming & Development: Python, SQL, Flask, Streamlit, Anaconda, VS Code, Git, Postman.

Data Science, ML & DL: ANN, CNN, NLP, Gen AI, LLMs (OpenAI GPT, Hugging Face, LLaMA, Phi3 etc.), SLMs, Recommendation models, Supervised/Unsupervised Learning, EDA, Feature Engineering.

Web Scraping: BeautifulSoup, Scrapy, Selenium

NLP: NLTK, spaCY, Transformers, TF_IDF, Fuzzy, BERT(Sentiment Analysis).

Data Visualisation: Tableau, Power BI, Kepler, Flourish, Geospatial Visualization.

MLOps & Cloud: Firebase, Microsoft Azure, Docker, MLflow, Model Deployment, Version Control.

Work Experience

[Shreyas Technosoft](#)

Data Scientist Intern

APRIL 2024 – OCTOBER 2024

- Worked along the founding team for developing app and managing and training client data.
- Worked on **collaborative and hybrid recommendation model** using machine learning increasing model performance by **23%**, developed search engine for app using **TF-IDF** and cosine similarity with **97% accuracy**.
- Learned about API, LLMs, Tableau, Kepler, Postman, Firebase, Azure Data Studio, Flask.

[Acmegrade](#)

Machine Learning Trainee

AUGUST 2023 – SEPTEMBER 2023

- Worked with machine learning algorithms, including **Decision Trees**, **Support Vector Machines (SVM)**, **Logistic Regression**, **Linear Regression**, and **Stochastic Gradient Descent (SGD)**, to build and refine predictive models.
- Conducted **Exploratory Data Analysis (EDA)** on diverse datasets, utilising **data visualisation** tools and **statistical methods** to uncover key insights for decision-making.
- Gained hands-on experience in using libraries like **Scikit-learn**, **Pandas**, and **NumPy** for implementing machine learning pipelines and **model evaluation**.

[Automaton AI Infosystem Pvt. Ltd](#)

Machine Learning Intern

FEBRUARY 2023 – MARCH 2023

- Led a **pomegranate disease detection** project using **deep learning**, achieving **98.7% accuracy** through effective **data preprocessing** and model optimization.
- Assisted in developing an **end-to-end pipeline** for **model training** and **evaluation** using **TensorFlow** and **Keras**, while conducting **labelling** and classification of image datasets.
- Gained hands-on experience in **ML pipelines**, **CNN architectures**, and industry-standard **ML processes** for developing and deploying efficient machine learning models.

Projects

AI SQL Chatbot [GitHub Repo](#)

JULY 2024-AUGUST 2024

- Implemented a chatbot utilising the **gpt-4o-mini** model to understand user prompts, provide data summaries, and generate relevant graphs through integration with data visualisation libraries (e.g., Matplotlib, Plotly).
- Designed the chatbot to automatically extract data insights, summarise key points, and create visual representations, enhancing user engagement and decision-making efficiency.
- **Tech Stack :** gpt-4o-mini, Langchain, Python ,Pyodbc,Azure Data Studio.

AI WEB Chatbot [GitHub Repo](#)

JUNE 2024-JULY 2024

- Developed an AI-powered web chatbot utilising the gpt-4o-mini model to scrape data from websites using **BeautifulSoup** and **Selenium**, and generate contextually appropriate responses based on user prompts.
- Integrated scraping functionality to dynamically extract data from relevant sources, enabling the chatbot to provide accurate and timely information.
- **Tech Stack:** gpt-4o-mini, , BeautifulSoup, Selenium, Langchain, Streamlit.