Personal Information

Name: Vijay Takbhate

Email: vijaytakbhate20@gmail.com

Phone: 8767363681

GitHub: https://github.com/vijaytakbhate2002

LinkedIn: https://www.linkedin.com/in/vijay-takbhate-b9231a236/

Kaggle: https://www.kaggle.com/vijay20213

Experience - Fox Solutions Pvt. Ltd.

Role: Automation Engineer

Duration: Jun 2024 - Oct 2024

Location: Maharashtra

Key Contributions:

- Completed 2 months of internship plus 4 months of full-time work.

- Worked with PLC and SCADA systems, focusing on automating processes and optimizing operational efficiency.

- Collaborated with cross-functional teams to implement automation solutions for industrial applications.

Experience - Cei Design Consultancy Pvt. Ltd.

Role: Python Developer Intern

Duration: Aug 2024 - Sept 2024

Location: Remote, Maharashtra

Key Contributions:

- Specialized in data processing using Python and Excel.

- Utilized OpenCV for image processing tasks.

Experience - Ujucode

Role: Subject Matter Expert Intern

Duration: Aug 2023 - Oct 2023

Location: Remote, Maharashtra

Key Contributions:

- Contributed as a Python developer for a ChatBot project.

- Handled backend development tasks and researched Python modules.

Project - Twitter Post Sentiment Prediction

Details:

- Engineered an ETL pipeline using PySpark and SQL.

- Conducted sentiment analysis using NLP (TF-IDF) and optimized hyperparameters.

- Monitored model performance through MLFlow on Databricks.

- Leveraged Google Cloud Storage and MySQL for data management.

- Deployed the model using Docker and hosted it on Render.

Project - Text-Text Chat-Bot

Details:

- Designed an advanced Chat-Bot using the NVIDIA API and prompt engineering.

- Features include paraphrasing, grammar correction, AI detection, plagiarism checking, and content summarization.

- Targeted at content creators, researchers, and businesses.

- Technologies Used: HTML, CSS, Python Flask, Cloud Database, and Render.

Project - Hand Gesture Recognition

Details:

- Used Google-s MediaPipe framework for detecting hand landmarks and gestures.

- Created and labeled a custom dataset of hand gestures for training.

- Developed a Streamlit application to improve accessibility and flexibility.

Technical Skills

Languages: MySQL, Python, HTML, CSS

Technologies: Streamlit, Flask, VS Code, GitHub, MLflow, Docker, PySpark, Databricks, Google Cloud Platform

Certification

MLOps Bootcamp: Mastering AI Operations for Success (Jun 2024)

- Learned about the MLOps lifecycle and modular programming.

- Acquired skills in Git, Python, Flask, and MLflow.

Education

Bachelor of Technology in Electronics and Telecommunication (May 2024)

Institution: SVERI-s College of Engineering, Pandharpur, Maharashtra

Score: 81.71

Diploma in Electronics and Telecommunication (May 2021)

Institution: SVERI-s College of Engineering, Pandharpur, Maharashtra

Score: 91.73

Blogging

1. Comprehensive Docker Guide - Containerizing Flask Applications

   - Explained core Docker components, including Dockerfile, images, and containers.

   - Provided hands-on tutorials for building, running, and scaling applications.

2. What is Statistical Inference?

   - Discussed parametric inference and hypothesis testing using real-life examples.

Languages

English, Marathi, Hindi

Soft Skills

Critical Thinking, Intellectual Rigor, Problem Solving, Understanding Business Needs