Rohan Rajkumar Tekale

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[GitHub Profile](#) | [LinkedIn](#)

Skills

Languages: Python, SQL, HTML, CSS

Technologies & Tools: GenAI, LLM, Artificial Intelligence & Machine Learning, Power Bi, EDA, Tableau, MYSQL

Frameworks-FastAPI, Streamlit

Work Experience

Machine Learning Engineer Intern | ValueDx Technologies Pvt Ltd., Pune   Jan 2024 - Present

- Implemented machine learning algorithms in Python for data analysis and predictive modeling.
- Enhanced projects using Python, Machine Learning, and Deep Learning.
- Gained experience with neural networks and Deep Learning frameworks.
- Integrated Generative AI for innovative solutions.
- Developed and deployed Python-based machine learning solutions.

PROJECTS

Audio Transcription and Summarization System – Whisper-large-v3, Fastapi

- **Project Overview:** Developed an efficient system for audio transcription, summarization, and timestamp extraction using FastAPI.
- Integrated **OpenAI's whisper-large-v3** model for accurate audio transcription.
- Implemented a **summarization model** to generate concise summaries from transcriptions.
- Extracted and correlated **timestamps** with transcriptions for key events in the audio.
- Utilized asynchronous endpoints in **FastAPI** for efficient handling of large audio files.
- Managed file storage operations using Python's os module

ZOMATO RESTAURANT DATA ANALYSIS: EXPLORING INDIA'S DINING SCENE — Python, Power Bi

- **Data preprocessing**: Removed duplicates, managed missing values, and selected relevant features.
- Utilized various **visualization techniques**: bar charts, scatter plots, word clouds, box plots, and density plots.
- **Analyzed** various facets including restaurant chains, city demographics, and cuisine preferences to extract **actionable insights.**
- Investigated rating distribution, cost dynamics, and price range correlations, guiding informed **decision-making** processes through data-driven analysis.

Olympics Data Analysis – Python, Streamlit, EDA [app link](#)

- Conducted a comprehensive data analysis of historical Olympics data to uncover insights and trends.
- **Medal Tally Analysis:** Visualized the distribution of medals by countries over various Olympic editions.
- **Overall Analysis**: Identified trends and patterns in Olympic participation and performance.
- **Country-wise Analysis:** Examined medal counts and sports participation for individual countries.
- **Athletes Analysis:** Analyzed characteristics and performance of athletes, including participation and success rates.

EDUCATION

BACHELOR OF ENGINEERING — Savitribai Phule Pune University, Pune, Maharashtra   08/2019 – 08/2023

Majors: Electronics & Telecommunication

CGPA:**9.02**

CERTIFICATION & AWARDS

- **Google Data Analytics Professional Certificate**: - Data Analysis Techniques, SQL, Tableau, R, Excel.
- **Data Analytics and Visualization Virtual Experience on Forge**: - Data Analysis
- **1st Place, Best Project Paper, NCIE-2023 Conference:** Awarded 1st place for Best Project Paper at the NCIE-2023 National Level conference on IoT Embedded Systems held at NIT Kurukshetra, competing nationwide