VIRAJ THAKUR

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EDUCATION

Sindhudurg Shiksha Prasarak Mandal   Kankavli, india
Bachelor of Engineering in Computer Engineering; CGPA: 8.20   **2021 – 2025**
Balasaheb Khardekar college   Vengurla, india
Bachelor of Science – Mathematics; Percentage: 81.67   **2020 - 2021**

SKILLS SUMMARY

- **Languages :**   Python, SQL, JavaScript
- **Frameworks :**   Pandas, Numpy **,** Matplotlib , Seaborn, Flask
- **Tools :**   Excel, MySQL, Prompt Engineering, Data Visualization, AWS(EC2,S3,RDS basics), Git
- **Platforms :**   PyCharm, Google Collab, Visual Studio Code, Jupyter Notebook

CERTIFICATIONS

Programming in Python (Besant Technologies) | CERTIFICATE   **February 2025**
- Mastered fundamental Python syntax, proficiently utilizing control flow, loops, functions and data structures.

Building Your Own Generative Model (NXT Wave) | CERTIFICATE   **December 2025**
- Mastered the complete lifecycle of a generative model, from data preparation to deployment**.**

SQL (Structured Query Language) | CERTIFICATE   **September 2025**
- Proficient in SQL commands for DDL, DML, and DCL.

PROJECTS

Speech-Emotion-Recognition | GITHUB
- Developed a machine learning model to accurately detect and classify human emotions from speech audio data.
- Utilized feature extraction techniques such as MFCC and implemented classification algorithms in Python.
- Achieved high accuracy in emotion recognition through extensive data preprocessing and model tuning.
- Demonstrated expertise in audio signal processing, data science, and end-to-end ML workflow.

Bookstore-Management | GITHUB
- Designed and implemented a comprehensive bookstore management system with an intuitive user interface.
- Enabled functionalities such as inventory tracking, sales processing, and customer management.
- Leveraged database integration for efficient storage and retrieval of book records.
- Showcased strong skills in software development, database design, and user experience optimization.

Currency-Converter | GITHUB
- Built a real-time currency converter application supporting multiple international currencies.
- Integrated external APIs to fetch up-to-date exchange rates for accurate conversion.
- Focused on responsive UI/UX design for seamless user interaction and accessibility.
- Illustrated proficiency in API integration, front-end development, and financial application logic.

ACHIEVEMENTS

- Strengthened **information retrieval** through the National Digital Library Program – NDLI Club, IIT Kharagpur.
- Honed **LaTeX proficiency** in a seminar and quiz on research formatting – SSPM's College of Engineering.
- Acquired expertise in **generative AI**, from foundational concepts to advanced model architectures..