

# VIRAJ THAKUR

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<https://github.com/VirajThakur03> | <https://portfolio-vt-v5oa.onrender.com/>

## CAREER OBJECTIVE

Entry-level **Python Developer / Data Analyst** with strong fundamentals in Python, SQL, and data analysis. Experienced in building backend applications, working with REST APIs and databases, and extracting insights from structured datasets using Pandas and SQL. Seeking an opportunity to contribute to data-driven and software-based solutions while growing as an engineer.

## EDUCATION

### Sindhudurg Shiksha Prasarak Mandal

Bachelor of Engineering in Computer Engineering; CGPA: 8.20

Kankavli, india

**2021 – 2025**

### Balasaheb Khardekar college

Bachelor of Science – Mathematics; Percentage: 81.67

Vengurla, india

**2020 - 2021**

## SKILLS SUMMARY

- Languages :** Python, SQL, JavaScript
- Backend & Frameworks :** Flask, REST API Developer, JSON handling, SQLAlchemy (ORM basics)
- Databases :** PostgreSQL, MySQL
- DevOps & Deployment :** Docker (Dockerfile, Docker Compose), AWS basics (EC2, S3)
- Tools & Platforms :** Git (Version Control), VS Code, PyCharm, Jupyter Notebook
- Data Analysis & Visualization :** Pandas, NumPy, Matplotlib, Seaborn, Excel (Pivot Tables, Charts)

## CERTIFICATIONS

### Programming in Python (Besant Technologies) | [CERTIFICATE](#)

**February 2025**

- Hands-on experience with Python syntax, proficiently utilizing control flow, loops, functions and data structures.

### Building Your Own Generative Model (NXT Wave) | [CERTIFICATE](#)

**December 2025**

- Exposure to data preparation, model training, and evaluation

### SQL (Structured Query Language) | [CERTIFICATE](#)

**September 2025**

- Practical experience with DDL, DML, joins, and aggregations

## PROJECTS

### Speech-Emotion-Recognition | [GITHUB](#)

- Developed a Python-based machine learning system to classify emotions from speech audio.
- Performed data preprocessing and exploratory analysis on extracted MFCC features.
- Achieved approximately **80–85% accuracy** through preprocessing and tuning.

Tech : Python, NumPy, Pandas, Librosa, Scikit-learn

### Bookstore-Management | [GITHUB](#)

- Developed a backend-driven bookstore management system using **Python and Flask**
- Implemented inventory management, billing, and customer modules.
- Containerized the application using **Docker** for consistent deployment.

Tech : Python, Flask, SQL, Docker, HTML, CSS

### Currency-Converter | [GITHUB](#)

- Built a real-time currency converter using Python and external REST APIs.
- Fetched live exchange rates and handled API errors gracefully.
- Focused on backend logic, API integration, and user input validation.

Tech : Python, Flask, REST APIs

## ACHIEVEMENTS

- Active contributor to National Digital Library Program (NDLI Club – IIT Kharagpur)
- Participated in technical seminars on LaTeX and research formatting
- Gained practical exposure to generative AI concepts, including data preparation, model training, and evaluation