

VIRAJ THAKUR

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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	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
- **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 (Basant 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