

Vaibhav S. Narute

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Education

Vidyavardhini's College of Engineering and Technology

Mumbai, India

Bachelor of Engineering - Artificial Intelligence

Data Science

Nov 2022 - July 2026

Courses: Operating Systems, Data Structures, Algorithms, Database (MySQL), Statistics, Probability

Vidyavardhini College of Science, Commerce, and Arts

Mumbai, India

Higher Secondary - Maharashtra State Board

Oct 2020 - July 2022

Skills Summary

Languages: Python, C, C++, HTML, CSS, SQL

Frameworks: Scikit-Learn, Pandas, NumPy, TensorFlow, Matplotlib, Seaborn, Power BI

Tools: Git, GitHub, MySQL, Excel, Jupyter Notebook

Soft Skills: Communication, Teamwork, Problem-Solving, Adaptability, Analytical Thinking, Attention to Detail

Experience

Oasis Infobyte

Remote

Data Analyst Intern (Part-Time)

Feb 2024 - March 2024

- **Data Collection & Cleaning:** Gathered and cleaned data for analysis using SQL queries.
- **Data Analysis:** Analyzed data using Python, SQL, and Excel; conducted statistical analysis and A/B testing.
- **Reporting & Visualization:** Created visual reports and dashboards with Power BI.
- **Learning & Development:** Continuously applied new data analysis techniques.

Projects

Retrieval-Augmented Generation (RAG) App with Hugging Face

- Built a RAG application to combine document retrieval with LLM-generated responses for accurate, data-driven results.
- Utilized Hugging Face models and APIs for efficient language processing and enhanced generative capabilities.

Health Bot - Food Image Calorie Estimator

- Developed a health bot capable of extracting calorie estimates from food images using computer vision and machine learning.
- Trained the model on diverse food datasets to improve accuracy and provide nutritional insights.

Medical Bot with RAG Integration

- Built a medical bot that retrieves information from medical textbooks and databases using RAG architecture.
- Enhanced response accuracy by integrating NLP with document-based retrieval systems.

Olympics Performance Insights

- Conducted EDA on Olympic datasets to analyze athlete performance trends and country-wise medal statistics.
- Created interactive visualizations using Python (Pandas, Matplotlib, Seaborn).

AI Image Creator (Flutter + Stable Diffusion)

- Developed an AI-powered image generator using Flutter and Stable Diffusion API.
- Built a simple user interface to generate images based on textual prompts.

AI-Powered Blog Generator with LLaMA2

- Built a blog generator using LLaMA2 and Hugging Face tokenizer models for advanced text generation.
- Fine-tuned the model for customizable content creation and automated blog structuring.

Publications

Analyzing Evolution of the Olympics by Exploratory Data Analysis

- Published research analyzing Olympic Games data, medal tallies, and athlete performance over time.

Experience & Hackathons

Code-O-Fista

Mumbai, India

- Developed and presented an Entrepreneur's Community Website at the VCET Entrepreneurial Summit.

Achievements

TECHX 2024 - Product Showcase Winner

- Event: TECHX 2024 by NSDC
- Project: Collaborated with Swarup Kakade and Nitish Jha to win the Product Showcase Competition.

TSEC Hackathon 2024 - Finalist & Recognition

- Project: Smart Agriculture Assistant
- Real-time soil health analysis, weather forecasting, and crop health monitoring.
- Qualified for the final round and received a Certificate of Appreciation.