

[Github](#)[Linkedin](#)[LeetCode](#)

VAIBHAV SINGH

+91 9560720582

vvishus1717@gmail.com

<https://vvishus.netlify.app/>

FRESHER

EDUCATION

• CLASS-XII

DEHRADUN PUBLIC
SCHOOL , GZB [CBSE]

2019-2020

90%

• B-TECH

JAYPEE INSTITUTE OF
INFORMATION
TECHNOLOGY NOIDA ,
SEC-62

2021-2025

CGPA-7.3

SKILLS

Communication, Detail oriented, Fast Learner Adaptability, Strategic planning, Dedicated team player, Effective time management, Ability to work under pressure

TECH SKILLS

- **Advanced Skills:** ,
Python
(Pandas,Pytorch
Matplotlib, FastAPI),
SQL, C++, C
- **Intermediate Skills:**HTML,JavaScript, Express
JS,MongoDB,Power BI,Excel
- **Foundational Knowledge:** CSS, PHP

HOBBIES

- HANDBALL
- FITNESS
- GAMING

PROFILE

I'm an AI enthusiast with a strong base in coding, problem-solving, and a logical mindset. Passionate about analyzing complex challenges, I thrive on researching, designing, and developing innovative solutions. Always driven by the insatiable desire to learn and evolve in this ever-changing landscape of technology.

EXPERIENCE

- **Data Science Intern at Oriserve:**
 - Collaborated on AI-driven chatbot development and automation solutions, leveraging models like **BERT, Pyannote, NVIDIA NeMo**, etc and frameworks like **Pandas, Pytorch, Plotly, etc** to enhance user engagement and operational efficiency.
 - Designed and deployed scalable **FastAPI** services to integrate AI functionalities, ensuring optimized system performance and seamless user experiences.
 - Built robust **Data pipelines** for **TTS** and **STT** datasets, enabling efficient preprocessing, training, and evaluation workflows while applying prompt engineering to refine model outputs for diverse use cases.
 - Wrote article on how to curate superior TTS Data for fine tuning
 - Gained hands-on experience in developing real-world AI applications, focusing on innovation, performance optimization, and advanced speech processing techniques.
 - Authored an article on curating high-quality Text-to-Speech (TTS) datasets for effective fine-tuning, offering insights on best practices, challenges, and strategies for ensuring superior audio output quality. [Read the full article.](#)
- **Web development Intern at The Sparks Foundation:** Using MONGODB,HANDLEBARS,HTML, JAVASCRIPT AND CSS Developed a Basic Dynamic banking website<[TSF](#)>.
- **Participated in BITBOX by GDSC IIIT SEC 128:** This 12-hour long hackathon, learnt Stress management and work in a professional environment.
- **Google Cloud Study Jams:**Earned various skills badges from google cloud courses like [Generative AI Arcade Game](#) ,[Google Cloud Computing Foundations](#) etc.

PROJECTS

1.[CryptoniX](#):

- Explored cryptic world with features like cyphers, cryptic word clue solver, password strength checker, encryption, decryption, and steganography.
- Implemented DSA CPP concepts: maps, LinkedList, vectors, searching, recursion, hashing, collision handling.

2.[CAVEMEN](#):

- Designed and implemented a multi-agent game "Cavemen" inspired by Wumpus World, featuring human vs AI competition, gold collection, and battles against the Wumpus monster.

3.[PyTone](#):

- Recognizing Real-Time speech, Text Emotion using different ML models.
- Implemented with Python, PyTorch, and TensorFlow to enhance accuracy and performance.

4.[BCI Games](#):

- Developed an interactive game using Emotiv Epoch+ BCI headset, enabling control through brain signals and facial expressions.
- Implemented left/right movement control via brain patterns and smile detection for triggering in-game actions.