

VAIBHAV TATKARE

Mumbai, Maharashtra

☎ +91 9892481044 ✉ vaibhavtatkare@outlook.com [in LinkedIn](#) [Github Profile](#)

Education

University of Mumbai, VCET

Bachelor of Engineering in Computer Engineering

CGPA: 9.35

Nov. 2022 – June. 2026

Projects

Brain Tumor Detection: ML | Python, SQL |

- Developed a Brain Tumor Detection system using **Machine Learning** algorithms, specifically convolutional neural networks (**CNNs**), for tumor classification in medical images.
- Implemented image **preprocessing** techniques, including **normalization** and augmentation, to enhance detection **accuracy** and model robustness.

GitHub Finder | JavaScript, React, APIs |

- Designed and developed a GitHub Finder application using **React**, leveraging the **GitHub API** for seamless user interaction and **token-based authentication** to ensure secure access.
- Implemented features for searching GitHub users, displaying detailed profiles, and showcasing their repositories, enhancing usability through **responsive design** and efficient data handling.

LerneLingo | JavaScript, SQL, PHP |

- Developed an interactive learning platform utilizing quizzes of **varying difficulty levels**, implemented with a robust backend powered by SQL for user authentication and **dynamic progress tracking**.
- Integrated voice translation** capabilities leveraging advanced APIs, enhancing accessibility and user engagement within the learning environment.

Experience

Microsoft & SAP Internship

AI Research Intern

- Developed an **AI Image Generator** using Deep Learning (**CNN, Stable Diffusion**), processing 80+ images for training/testing, achieving an image generation accuracy of **92%**.
- Engaged in **10+ mentorship sessions** with Microsoft and SAP experts, receiving industry insights to refine the project, and authored a structured **15+ page technical report**, detailing the problem statement, methodologies, implementation, and results to enhance documentation clarity for future research.

Codsoft

Web Development Intern

- Developed and implemented assigned web projects, focusing on enhancing **user experience** and functionality through **responsive design** and efficient coding practices.
- Collaborated with **cross-functional** teams to gather requirements and deliver high-quality web solutions, ensuring projects were completed **on time** and met business **objectives**.

Achievements

- Participated in the **Multiple Hackathons**, showcasing innovative software solutions on real-world problems.
- Secured a **Top 15** position in the Hackwatts Hackathon, leveraging **Machine learning** to develop impactful solutions.
- Achieved a **Top 5** position in Paperthon, engaging in research and development on innovative projects.
- Contributed to **Product Showcase**, enhancing presentation skills and effectively communicating project ideas.
- Solved over **180+** questions on **Leetcode** earning several consistency badges, demonstrating proficiency in problem-solving and algorithm design.
- Completed the **Complete Python Course** by Angela Yu on Udemy, acquiring in-depth knowledge of Python programming concepts.

Technical Skills

Languages: Python, Java, C, SQL, JavaScript, HTML/CSS

Frameworks: Nextjs, Flask, ReactJS, TensorFlow

Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ

Libraries: Pandas, NumPy, Matplotlib, OpenCV, SciKit-Learn

Others: Data Structures and Algorithms, Operating Systems, Object-Oriented Design Programming, Computer Networks, Relational Databases, Machine Learning, Distributed Systems