MOKSHIT OSWAL

Pune, Maharashtra

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Education

Vishwakarma Institute of Technology   **2021 − 2025**
Bachelor of Technology in Artificial Intelligence and Data Science (Currect CGPA: 8.91)   *Pune, India*

The Bishop's School, Pune   **2019**
Indian Certificate of Secondary Education(I.C.S.E) (Percentage: 90.2%)   *Pune, India*

Projects

ML4Cure - Machine Learning for Healthcare | GitHub Link   **2022**
- Worked on developing an AI-based disease prediction system that uses Machine Learning algorithms involving **Regression** and **Classification** to accurately classify diseases.
- Achieved **highest accuracy by using Logistic Regression (95%)**
- Published Research Paper in **IEEE Xplore** (Asia-Pacific Region)

TrashIntelAI - A solution to easier waste segregation | GitHub Link   **2022**
- Designed a Deep Learning model using **CNN** architecture to accurately classify waste (**dry vs. wet**), enhancing proper waste disposal.
- Achieved **89%** accuracy through adept application of **Transfer Learning** techniques.
- Implemented **APIs** for Location-based garbage collection, enabling users to request pickup by sharing their location with admin/garbage collector.

AudioVision+ - Transforming Images into Expressive Audio and Text Captions | GitHub Link   **2023**
- Utilized advanced **Image Captioning** techniques for AI-Powered Text Caption Generation
- Used **HuggingFace Transformer based APIs** to generate meaningful sentences.
- Achieved an **accuracy rate of 97%** through a **deep learning** architecture involving **CNN** and **LSTM**.
- Utilised Text-To-Speech and Speech-To-Text APIs to convert the caption into expressive Audio.

Technical Skills

Languages and Tools: Python, SQL, Power BI, Java, C/C++,
Libraries: Matplotlib, Seaborn, TensorFlow, PyTorch, Scikit-learn, Keras, NumPy, Pandas, SciPy, NLTK, OpenCV
Technologies: Data Visualisation, Machine Learning, Neural Networks, Advanced Deep Learning

Achievements

- Winner of Internal Smart India Hackathon,   *VIT Pune, 2023*
- 5th Place at KDAG Data Science Hackathon   *IIT Kharagpur, 2023*
- One of the top teams in IPL Data Science Contest   *IIT Madras, 2023*

Profile Links

- Leetcode
- Codechef

Extracurricular Experience

Artificial Intelligence and Machine Learning Lead
Microsoft Learn Student's Club - VIT Pune   *2023*
- Experienced with working on projects while leading a team of 7 coordinators
- Conducted educational sessions on AI/ML

Director of Content and Curation
VishwaConclave   *2023*
- Leading a team of 8 Heads
- Shaping and overseeing our organization's content strategy
- Fostering audience engagement and collaboration between teams
- Driving impactful content distribution and maximizing reach