

MOKSHIT OSWAL

Pune, Maharashtra

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Mokshit-Oswal

LeetCode

CodeChef

Education

Vishwakarma Institute of Technology

2021 – 2025

Bachelor of Technology in Artificial Intelligence and Data Science (Current 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

Academic Projects

AudioVision+: Images to Expressive Audio | [GitHub Link](#) | CNN, LSTM, Hugging Face,

2023

- Orchestrated the implementation of advanced **Image Captioning** techniques for the generation of AI-powered text captions, utilizing **HuggingFace Transformer-based APIs**.
- Achieved an outstanding accuracy rate of **97%** through a sophisticated deep learning architecture involving **Convolutional Neural Network (CNN)** and **Long Short-Term Memory (LSTM)** networks.
- Integrated **Text-To-Speech** and **Speech-To-Text APIs** seamlessly, enabling the conversion of generated captions into expressive audio content.

CareerCraftML: Smarter Studying with AI Tools | [GitHub Link](#) | GenAI, LLMs, Deep Learning

2023

- Innovated and spearheaded the development of an **AI-driven educational enhancement platform**, leveraging cutting-edge **Machine Learning** algorithms and **Generative AI based Large Language Models (LLMs)**.
- Transformed student experiences through the integration of advanced technologies, including **PDF file interaction**, **YouTube video summarization**, **real-time CV matching** and suggestions, and a sophisticated **mock interview system**.
- Led a transformative initiative, achieving a **60% efficiency boost** by integrating **Google Gemini API** and by using advanced technologies, including **NLP**, and **Machine Learning**, to elevate the platform's capabilities and drive unprecedented impact.

TrashIntelAI: Waste segregation made easy | [GitHub Link](#) | Deep Learning, TensorFlow, CNN

2022

- Conceptualized and executed a state-of-the-art Deep Learning model utilizing **Convolutional Neural Network (CNN)** architecture for accurate waste classification (dry vs. wet), thereby optimizing waste disposal practices.
- Accomplished an impressive accuracy level of **89%** through adept application of **Transfer Learning** techniques, underscoring proficiency in model optimization.
- Engineered **APIs** for location-based garbage collection, facilitating seamless user interaction and enabling efficient waste pickup requests through user-friendly location sharing with administrators and garbage collectors.

Technical Skills

Languages and Tools: Python, SQL, C/C++, Power BI, Streamlit

Libraries: Matplotlib, TensorFlow, PyTorch, Scikit-learn, Google-GenerativeAI, HuggingFace

Technologies: Large Language Models, Natural Language Processing, Machine Learning, Deep Learning

Achievements

- Winner of Internal Smart India Hackathon,
- 5th Place at KDAG Data Science Hackathon
- One of the top teams in IPL Data Science Contest

VIT Pune, 2023

IIT Kharagpur, 2023

IIT Madras, 2023

Extracurricular Experience

Artificial Intelligence and Machine Learning Lead

Microsoft Learn Student's Club - VIT Pune

2023

- Led a team of 7 coordinators on AI/ML projects, showcasing effective project management.
- Conducted informative educational sessions on AI/ML, fostering a culture of continuous learning within the club.

Director of Content and Curation

VishwaConclave

2023

- Oversaw a team of 8 Heads, shaping and executing the organization's content strategy.
- Fostered audience engagement and collaboration between teams.
- Fostering audience engagement and collaboration between teams
- Drove impactful content distribution strategies, maximizing reach and impact.