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*

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,   *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*

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.
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- Drove impactful content distribution strategies, maximizing reach and impact.