

Lalit Shrotriya

✉ lalit.shrotriya@outlook.com | ✉ lalitshrotriya2002@gmail.com | 📞 +91 9917470146

🐙 github.com/Shrotriya-lalit | 🔗 linkedin.com/in/lalit-shrotriya/

Education

Symbiosis Institute Of Technology, Pune

Bachelor of Technology (Computer Science & Engineering with Honours in AI/ML)

Expected Graduation: July 2024

CGPA: 8.723

Symbiosis Institute Of Business Management, Pune

Diploma In Business Management

(Topped DBM Programme with Overall CGPA 8.78)

Graduation: December 2023

CGPA: 8.78

Professional Experience

Symbiosis Centre for Applied Artificial Intelligence (SCAAI)

Aug. 2022 - Present

AI Research Intern Fellow

Python, TensorFlow, PyTorch, Streamlit, OpenCV

- Gained hands-on experience in cutting-edge AI research, reinforcing skills in algorithm development, model implementation, and project management with research publications in prestigious journals.
- Developed and implemented Advanced Deep Learning Strategies for Document Digitization, significantly improving OCR efficiency.
- Integrated Real-Time Attention Span Monitoring, providing valuable insights into user behavior for self-development.
- Applied algorithms in image processing and computer vision, incorporating DALL-E, Stable Diffusion, and OpenCV, DBNet, CRNN, SAR, ViTSTR.

Martian Programme @Persistent Systems

Jun. 2023 - Aug. 2023

GEMS (Graduate Engineering Multidimensional Skill) Intern

Python, OS, SQL, Linux, Git

- Accomplished 7-week virtual training & Applied theoretical knowledge to real-world scenarios, collaborating with industry professionals and peers, ensuring a seamless transition from academia to the professional realm.
- Demonstrated adaptability and resilience, showcasing a commitment to continuous learning and professional development within a remote work environment.

Projects

VisionGen3D

Jul. 2023 - Present

Integrating Style-based GANs with NeRF for 3D Image Synthesis

Python, PyTorch, Streamlit, HTML, TKinter, Git,

- Engineered high-resolution 3D images using VisionGen3D, integrating NeRFs and style-based generators.
- Revolutionized military facial alterations by merging Neural Radiance Fields with style-based generators. Achieved unparalleled efficiency and resolution, promising advancements in intelligence and defense applications.

DeepOCR

Jul. 2023 - Present

Pioneering Advanced Deep Learning in Document Digitization

Python, Tensorflow, Streamlit, HTML/CSS, Git

- Spearheaded the development of an End-to-End OCR solution with a two-stage pipeline, optimizing text detection and recognition.
- Engineered a versatile OCR solution featuring a KIE predictor, multi-class handling, comprehensive documentation, and interactive demos with an accuracy of 84

EduFocus: Attendify

May 2023

Leveraging Advanced Multitask Deep Learning for Attention Span Evaluation

Python, Flask, Streamlit, HTML, Git

- Executed real-time attention span evaluation with Advanced Multitask Deep Learning, showcasing proficiency in Python, PyCharm IDE, HTML, JS, CSS, Streamlit, Flask, and SQLite3.
- Pioneered Facial Advancements for dynamic trait tracking, providing real-time insights through Dynamic and Static Graphs, transforming education with innovative attention span assessment.

Research Publications

IJACSA - Volume 14 Issue 6 (Q3)

June 30, 2023

Apache Spark in Healthcare: Advancing Data-Driven Innovations and Better Patient Care

IIETA - Traitement du Signal Journal (Q3)

Oct. 30, 2023

Brain Tumor Detection Using Advanced Deep Learning Implementations

Skills

Languages: Python, C++, SQL

ML/AI: PyTorch, Numpy, Pandas, Keras, Tensorflow, OpenCV

Certifications:

Web Technologies: HTML, CSS, Streamlit, JavaScript

Miscellaneous: Azure, AWS, Git, Linux, Agile, PyCharm, Latex

Vasudhaiva Kutumbakam (Issued by Symbiosis International University).