

Allu Sai Kishore

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SKILLS

- Languages:** Python, C++, C, Java, SQL, JavaScript, HTML/CSS
- Tools/Frameworks:** Streamlit, PostgreSQL, MySQL, Scikit-learn, Pandas, NumPy, Git, GitHub
- AI-ML :** Computer Vision, Deep Learning, NLP, Transfer Learning, Feature Engineering
- Soft Skills:** Problem-Solving, Team Work, Communication, Adaptability

PROJECTS

Water-Quality-Prediction | [GitHub](#) Apr' 2026

- Developed a Random Forest-based classification model to predict drinking water potability using 9 physicochemical parameters.
- Implemented data preprocessing, missing-value treatment, feature analysis, model evaluation, and performance visualization using Python and Scikit-learn.
- Enabled real-time water quality assessment by integrating model predictions with confidence scores for Safe and Unsafe water classification.

Tech Stack: Python, Pandas, NumPy, Scikit-learn, Random Forest, Matplotlib, Streamlit, Pickle

Interactive-PCA-Based-Image-Compression | [GitHub](#) Feb' 2026

- Enhanced PCA algorithms to compress images dynamically, demonstrating the direct relationship between data variance and visual quality loss.
- Constructed an interactive tool utilizing dimensionality reduction to visualize real-time matrix decomposition and variance retention.
- Launched efficient SVD pipelines to process high-dimensional image data, enabling instant, user-controlled image reconstruction.

Tech Stack: Python, NumPy, Scikit-learn, OpenCV, HTML5, CSS3, JavaScript, Flask

AI-Powered-Deadlock-Detection-System | [GitHub](#) Dec' 2025

- Developed an AI-powered system to detect potential deadlocks by analyzing process and resource dependencies.
- Implemented deadlock detection logic to identify unsafe resource-allocation states and improve system monitoring.
- Designed a user-friendly frontend interface to visualize process/resource states and present deadlock detection results.

Tech Stack: HTML5, CSS3, JavaScript, Python, AI/ML, Git & GitHub

CERTIFICATES

- Java Programming — [Certificate](#) Sep' 2026
- Applied Artificial Intelligence and Machine Learning— [Certificate](#) July' 2026
- Cyber Smart Awareness Program — [Certificate](#) Jun' 2025
- Introduction to AI & ML (Skillera)— [Certificate](#) Mar' 2025
- Introduction to DSA with Proctored Exam(Coding Tantra) — [Certificate](#) Jan' 2025
- LINUX COMMANDS & SHELL SCRIPTING (Skillera)— [Certificate](#) Nov'2024

Achievements

- Kaggle Python Coder Badge Sep' 2026
- Hacker Rank C++ Badge Sep' 2026
- Hacker Rank Java Badge Sep' 2026

EDUCATION

Lovely Professional University	Phagwara, Punjab
Bachelor of Technology, Computer Science and Engineering; CGPA: 7.13	Aug '2024 – Present
Sasi Junior College	Tadepalligudem, Andhra Pradesh
Intermediate; Percentage: 90.7 %	Apr'2022 – Mar'2024
Sasi English Medium High School	Tadepalligudem, Andhra Pradesh
Matriculation; Percentage: 90.5 %	Apr'2021 – Mar'2022