

SRI KALYAN BHAVANTHI

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EDUCATION

Montclair State University, New Jersey, USA

Master of Science – Computer and Information Sciences (Aug 2023 – May 2025) - CGPA: 3.74 / 4

St. Martin's Engineering College, Hyderabad, India

Bachelor of Technology – Information Technology (Aug 2019 – June 2023) - CGPA: 7.79 / 10

PROJECTS

Image Morphing Techniques Using Python

- Developed an image morphing tool using OpenCV, NumPy, and Dlib to create smooth facial transitions.
- Applied affine transformations and Delaunay triangulation for pixel mapping and blending.

Human Activity Recognition Using Ensemble CNN

- Built a physical activity detection system using ensemble learning with 3 CNN models.
- Achieved 94% accuracy on publicly available time-series sensor datasets.
- Tools: Python, Keras, TensorFlow

Stress Detection Using Image Classification

- Designed a system detecting mental stress in professionals using facial recognition and periodic survey data.
 - Combined image processing and ML classification for real-time alerts.
 - Tools: Python, OpenCV, Scikit-learn
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SKILLS

Programming/Technology: Core Java, Python, C, HTML, CSS, Figma (UI/UX – Wireframes, Prototypes)

Databases: MySQL

Frameworks and Libraries: OpenCV, NumPy, Matplotlib

Tools/Project Management: Git, VS Code

Cloud & Platforms: AWS (Basics), Windows

Other: Object-Oriented Programming, Problem Solving

CERTIFICATIONS

Python for Everybody Specialization – University of Michigan (Coursera)

Core Java- Qspiders/Jspiders, Hyderabad, India

AWS Certified Cloud Practitioner — Amazon Web Services (AWS)

Google UX Design Certificate – Google (Grow with Google)