

Naga Nishith
Bachelor of Technology
Computer Science
SR University, Telangana

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EDUCATION

Degree/Certificate	${\bf Institute/Board}$	CGPA/Percentage	Year
B.Tech., CSE	SR University, Telangana	8.94	2026
Senior Secondary	VMR Polytechnic College/SBTET	7.34	April 2023
Secondary	Vandana digi high school/State Board	9.5	March 2020

PROJECTS

Project A: OUTFIT PREDICTION BASED ON SKIN TONE

 $January\ 2025$

Algorithm and Tools: RF Algorithm, SVM Algorithm, Face Detection Algorithms, K-Means Clustering



- \circ Developed a system to predict suitable outfits based on skin tone using machine learning.
- Developed CNN-based face detection using OpenCV, DNN with 96% accuracy.
- Integrated K-Means clustering into image processing pipeline, enabling automated dominant color extraction for skin tone analysis; the tool is now used by over 20 image processing specialists..
- Applied rule-based classification to enhance prediction reliability by 20%.
- Built a Flask web app for real-time, personalized outfit suggestions based on image uploads.

Project B: SIGN LANGUAGE RECOGNITION AND DETECTION

Algorithm and Tools: CNN Algorithm, Tensor flow, Open CV, Keras

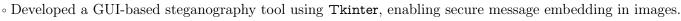
March 2024 []

- \circ Developed a CNN-integrated algorithm through Keras and TensorFlow that enhanced pattern recognition, reducing image processing time by 30
- Developed a Convolutional Neural Network (CNN) algorithm using TensorFlow and Keras, achieving a 15
- Validated image-to-text model using OpenCV, achieving 95
- Collaborated with our team on the B.tech 2-1 AIML project

• Project C: SECURE IMAGE STEGANOGRAPHY

April 2025

Algorithm and Tools: LSB Steganography, AES Encryption (Fernet), bcrypt Hashing, Tkinter GUI, PIL, Stegano Library



- Combined LSB steganography with AES encryption (Fernet) and password hashing (bcrypt) for enhanced security.
- Implemented real-time password-protected encryption/decryption with dynamic UI feedback and image export support.

KNOWN LANGUAGE

- English
- Telugu
- Hindi
- German(Basic)

SKILLS

• Programming Languages: HTML, C, C++, Java, Python, CSS

• Technologies: Google Cloud, AWS Cloud

• Frameworks: Flask, Django

• Tools: Github, MS-Excel, MS-Office, MS-Power Point

CERTIFICATIONS

• Ethics and Project Management, Infosys

October 2023

• Introduction to Operating System, coursera

 $April\ 2024$

• Theory of Computation, NPTEL

September 2024

ACHIEVEMENTS

- Google Cloud Virtual Internship
- Android developer Virtual Internship
- Zero Trust Cloud Security Virtual Internship
- Cybersecurity Virtual Internship
- Participated In CodeXccelerate 72 Hours Hackathon

Positions of Responsibility

• Member, Data Science Club

• Member, SRU Club

May 2024

April 2024