



**Naga Nishith**  
Bachelor of Technology  
Computer Science  
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EDUCATION

Degree/Certificate	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*
  - 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** March 2024   
*Algorithm and Tools: CNN Algorithm, Tensor flow, Open CV, Keras*
  - 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*
  - Developed a GUI-based steganography tool using Tkinter, enabling secure message embedding in images.
  - 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

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- 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

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- **Member**, Data Science Club *May 2024*
- **Member**, SRU Club *April 2024*