



Madam Sushmitha Raj

CSE(ai & ds) Student

✉ sushmitharaj864@gmail.com

☎ 9381692009

📍 Kadapa,India

📅 29/10/2004



LinkedIn



GitHub



Portfolio

🎓 EDUCATION

BTech Computer Science and Engineering (AI &DS), *SASTRA DEEMED TO BE UNIVERSITY*

10/2021 – present | Thanjavur , Tamil Nadu, India

CGPA : 8.365(present)

Narayana College,

Karnataka Secondary Education Examination Board,

06/2019 – 03/2021 | Bangalore, Karnataka, India

Marks : 597/600

Board of Secondary Education Andhra Pradesh,

Sri Chaitanya School

05/2019 | Kadapa, India

CGPA : 9.8/10

🧩 SKILLS

TECHNICAL SKILLS

- Machine learning ,Steganography
- DSA, SQL
- C, C++ ,java, python ,HTML, CSS, JavaScript

ORGANIZATION SKILLS

Time Management
Adaptability
Multi tasking
Self discipline
Collaboration

📜 CERTIFICATES

Hacker Rank Python(Basic) , **Machine Learning (Matlab Self-Paced Course)** , **Introduction to Industry 4.0 and Industrial Internet of Things** — (NPTEL)

🌐 LANGUAGES

English	● ● ● ● ●
Telugu	● ● ● ● ●
Hindi	● ● ● ● ●
Tamil	● ● ● ● ●

🔑 INTERESTS

Web designing

Coding

Problem Solving

Machine Learning

Aptitude

📁 PROJECTS

Reversible Data Concealment in Encrypted Images through Pixel-Value-Ordering and Histogram Shifting Techniques

01/2024 – 05/2024

- Introduction of Industry 5.0 sparks concerns over data security, particularly for image privacy.
- System employs block-level encryption preserving pixel correlations, categorized blocks, and secret data embedding for enhanced security.
- Enables both image restoration and hidden data extraction using decryption and data-hiding keys, balancing privacy and functionality effectively.

Simon Game, *Front end Web Development*

- The Simon Game is a classic memory-based electronic game where players need to remember and repeat a series of tones and lights.
- Each time the player successfully matches the sequence, the game adds another step to the sequence. The goal is to see how many steps can be correctly repeated in a row.
- The game's progressive difficulty makes it a great tool for memory training, as it continuously pushes players to remember and recall longer sequences, improving their memory and concentration over time.

QR Code Generator, *Front end Web Development*

- Developed a simple QR code generator that takes a user-provided URL, generates a QR code image for that URL, and saves both the URL and the QR code image to the local filesystem.
- Implemented QR code scanning functionality, enabling users to scan generated QR codes with mobile devices and seamlessly redirect to the specified website.

📖 PUBLICATIONS

Modified Arithmetic Coding to Increase the Compression Rate of Text Data, *IEEEExplore*

16/03/2024

- Modified arithmetic coding improves compression rates for text data by optimizing encoding algorithms.
- Decimal point compression used in encoding text data enhances compression efficiency.
- Resultant compression achieves higher rates compared to conventional arithmetic coding techniques.

👜 PROFESSIONAL EXPERIENCE

PWC Launchpad Program 2024

02/2024 – 06/2024

- A comprehensive learning program to foster Industry Readiness offering diverse training courses in areas such as IT Fundamentals, RDBMS, Programming Fundamentals and Data Engineering.
- It defines a clear goal to make students ready for the Industry opportunities by getting trained by industry leaders and making ahead of the peers.