

# DESU GAYATHRI VENKATA SAI SOWMYA

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## EDUCATION

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- BVRIT HYDERABAD college of engineering for women** Telangana, India  
*Bachelor of Technology - Artificial Intelligence and Machine Learning; GPA: 8.20* 2021 - 2025
- Sri Chaitanya Junior College** Andhra Pradesh, India  
*Higher Secondary(MPC),Ap State Board of Intermediate Education; Aggregate: 98.3 / 100* 2019 - 2021
- Dr.K K R'S Gowtham School** Andhra Pradesh, India  
*Secondary, Andhra Pradesh State Board(SSC); Aggregate: 10.0points* 2019

## SKILLS SUMMARY

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- Languages:** Python, C,C++(basics),Data structures,Machine Learning(basics),Java ,MySQL,Deep learning(basics)
- Frameworks:** Jupyter, Google Colaboratory
- Text Editors:** Visual studio code, Vim,pycharm
- Platforms:** Linux, Windows
- Soft Skills:** Leadership qualities,Communication skills,Time Management,Team work

## PROJECTS

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- Euro Coin Dissemination Simulation:** Developed a program to simulate euro coin dissemination across European cities using a simplified model. Each city belongs to a country, with coins transported daily to neighboring cities. Output provides time for each country to become complete. Skills: algorithm design, data processing, and logical implementation, GUI Programming using Tkinter.
- Traffic Sign Recognition with Convolutional Neural Networks (CNN):** Designed and implemented a convolutional neural network for the purpose of traffic sign classification. It is an image classification, widely used deep learning algorithm to classify the images and predict the type of traffic sign. Skills: data preparation, model architecture, training and validation, performance evaluation, deployment of code using Gradio.

## EXPERIENCE

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- BHARAT INTERN Virtual Internship** July - Aug 2023  
*Machine Learning Intern (Online) Developed two machine learning models as a part of the internship.*

## CERTIFICATIONS

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- LinkedIn:** Certified in Python, Python vs JavaScript, Python for students
- IoT Workshop:** Worked on projects under ESP32 and Arduino
- Workshop:** Improve 10X for learning smart coding techniques
- Mycaptain:** Python, C, Java
- Coding Ninjas:** Java Fundamentals

- **ESG Virtual Experience Program by TCS:** Certified for completion
- **MATLAB Onramp:** Certified for completion of the self-paced training course
- **Project Expo Spectrum-2k22:** Certified for participation
- **Hackathon Participation:** Chatgpthon Hackathon (Theme: Revolutionary Conversational AI)

#### OTHER ACTIVITIES

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- Member of Rotary Club
- Hobbies: Listening to music, playing Badminton