

Prathibha Swargam

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EDUCATION

- SR University** 2021 - 2025
Bachelor's in Computer Science and Engineering CGPA: 8.8
- Kakatiya Junior College** 2019 - 2021
Board of Intermediate Education - Maths, Physics and Chemistry, Telangana Percentage: 91.2
- Green Sedge School** 2019
Board of Secondary Education, Telangana GPA: 10.0

INTERNSHIPS

- AI-ML Virtual Internship** September - November 2023
Artificial Intelligence and Machine Learning Virtual Internship by AICTE
 - Organized by EduSkills Foundation in collaboration with the National Educational Alliance for Technology (NEAT) and supported by AWS Academy.
 - Gained valuable knowledge of the fundamental basics of artificial intelligence and machine learning concepts.

PERSONAL PROJECTS

- Plant Identification using flowers** January - April 2023
Implemented a machine learning model to identify different plants based on the image of its flower.
 - Convolutional Neural Network model was used to build the classification model, with various evaluation metrics to assess its accuracy.
 - Implemented using Python, TensorFlow, and Keras for building and training the Convolutional Neural Network, along with libraries like NumPy and Pandas for data processing and Matplotlib for visualization.
- Student Record Management System** May - July 2022
Developed a Student Record Management System using Data Structures.
 - Developed in C language using single linked list, loops, control statements, functions, structures and strings.
 - Implemented key functionalities such as addition, deletion, updating, displaying, and searching for a student record.
- Line Follower Robot with obstacle avoidance** November 2021 - January 2022
Designed and implemented a line follower robot with obstacle avoidance using Arduino UNO.
 - Tools used: Arduino ,infrared sensors, ultrasonic sensors, L298N motor driver, DC motors.
 - Developed code for sensor data processing, motor control and integrated infrared, ultrasonic sensors for path and obstacle detection. Created a functional robot capable of following a path and avoiding obstacles.

TECHNICAL SKILLS AND INTERESTS

Technical Skills

Languages: Python, C

Data Structures and Algorithms

Soft Skills

Teamwork, Interpersonal Skills, Adaptability

Interests

Puzzle Solving, Event Organisation

CERTIFICATIONS

Python for Machine Learning and its Applications - Centre for Training and Learning, National Institute of Technology, Warangal
Data Base Management System - NPTEL
Python - Hackerrank
Problem Solving - Hackerrank

POSITIONS OF RESPONSIBILITY

- Student Network Member - SR University IEEE Student Branch** April 2024 - March 2025
 - Facilitated communication and collaboration among IEEE student members and organized events to promote technical knowledge and professional development.
- Vice-Chair, Women in Engineering - SR University IEEE Student Branch** April 2023 - March 2024
 - Lead initiatives to support and empower women in engineering, organize events and programs to promote diversity and inclusion within the engineering community.