

# PRAMODITHA MANCHIKATLA

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LeetCode: [https://leetcode.com/u/pramoditha\\_m/](https://leetcode.com/u/pramoditha_m/) | HackerRank: <https://www.hackerrank.com/profile/2103a51092>

GeeksForGeeks: <https://www.geeksforgeeks.org/user/pramodithgz1g/> | Portfolio: [https://pramoditha.github.io/Portfolio\\_pramoditha/](https://pramoditha.github.io/Portfolio_pramoditha/)

## SUMMARY

Final-year B.Tech Computer Science and Engineering student with a strong foundation in software development and problem-solving. Successfully completed multiple hands-on projects and internships, demonstrating skills in both front-end and back-end technologies. Known for a dedicated work ethic, quick learning ability, and collaborative spirit. Passionate about building scalable solutions and eager to contribute meaningfully to a dynamic software engineering team.

## SKILLS

**Programming Languages** - C, Python, Java, JavaScript

**Web Technologies & Markup Languages**- HTML, CSS, XML

**Frameworks/Tools**- Android Studio, Visual Studio Code, Google Collab, MS Office, GIT

**CS Fundamentals** - Data Structures, Algorithms, OOPs, Database Management System, Operating Systems

## PROJECTS

### AI Powered Tumor Detection System | [GitHub](#) | Dec 2024 - Apr 2025

- Built a full-stack web application for tumor detection from brain and lung MRI scans using a CNN model (98.52% accuracy) integrated with Flask and TensorFlow/Keras.
- Preprocessed 6,000+ MRI images with resizing, noise reduction, and augmentation to enhance model performance.
- Developed a responsive frontend with React and Tailwind CSS; secured backend with Node.js, Express.js, and MongoDB for authentication and data storage.

### Plant Disease Identification | [GitHub](#) | Feb 2023 – Apr 2023

- Built a machine learning model to classify plant health based on leaf images, utilizing algorithms such as Logistic Regression, K-Nearest Neighbors (KNN), Decision Tree, and Support Vector Machine (SVM) to compare performance.
- Preprocessed and trained on 1000+ leaf images using techniques like image normalization and feature extraction, achieving up to 98% accuracy in detecting healthy vs. unhealthy plants.

### Shopping Cart | [GitHub](#) | May 2022 – Aug 2022

- Developed an Online Shopping Cart System with C programming using Structures, Linked lists and File handling.
- Implemented key functionalities including adding, deleting, and modifying item quantities, generating bills, and securely storing customer information in files and enabled generation of detailed bills.

## EDUCATION

### SR University, Warangal, India | 2021 - 2025

Bachelor of Technology in Computer Science Engineering | CGPA: 9.14

### Kakathiya Junior College, Huzurabad, India| 2019 - 2021

Class XII (TSBIE)| Aggregate: 97%

### Green Sedge School, Huzurabad, India| 2019

Class X (SSC)| CGPA: 9.5

## INTERNSHIPS

### AI-ML Virtual Intern – NEAT, AWS Academy | Sep 2023 – Nov 2023

- Completed a structured virtual program focused on core AI/ML principles.
- Gained hands-on experience with basic ML algorithms, model training.
- Strengthened understanding of real-world applications of machine learning.

### Web Development Intern – Bharat Intern | Jun 2023 – Jul 2023

- Developed the Netflix homepage and a Temperature converter using the concepts of HTML, CSS and JavaScript

## CERTIFICATIONS

- Data Base Management System - [NPTEL](#) | Jul 2023
- Python - [HackerRank](#) | Apr 2024
- Python for Machine Learning and its Applications – [Centre for Training and Learning- NIT](#) | Feb 2024
- Introduction to Java Programming - [EDX](#) | Sep 2023

## EXTRA CURRICULARS

- Joint Secretary of Computer Society – SRU IEEE SB| May 2024 – Mar 2025