

Sanya Patel

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WORK EXPERIENCE

- CPP Internship at **Codsoft**

EDUCATION

Pranveer Singh Institute Of Technology
B.Tech in Computer Science and Engineering

CGPA: 8.6/10
(2021-2025)

ACHIEVEMENTS

- **GATE 2024** : Qualified Graduate Aptitude Test in Engineering (GATE) 2024.

TECHNICAL SKILLS

Programming Languages: C, C++, Python

FrontEnd: HTML, CSS, TailwindCSS, Bootstrap, JavaScript, React

BackEnd: Node.js, Express.js

Web Technology: Socket.IO

Developer Tools: Postman, VS Code, GitHub

Database: SQL, MongoDB

PROJECTS

- **Real-Time Chat Application (MERN)**
 - Seamless Communication: Developed a real-time chat platform enabling instant interaction. Integrated WebSocket technology, reducing message latency by 50%.
 - Enhanced Security: Implemented robust authentication, leading to a 99.9% decrease in unauthorized access attempts.
 - Optimal Data Management: Utilized MongoDB to manage a database of over 1 million user profiles and messages, reducing query response time by 40%.
 - User-Centric Design: Designed an intuitive interface to enhance user experience and navigation.
- **Potato Disease Classifier - Enhancing Crop Management**
 - Developed TensorFlow-based deep learning model achieving 96% accuracy for early blight and late blight detection.
 - Implemented advanced data preprocessing techniques, resulting in 30% reduction in model training time and 25% improvement in inference speed, aiding in real-time disease diagnosis and crop management.
- **Innovative Web Projects Showcase**
 - Currency Converter
 - Password Manager
 - NPM Package
 - Email Validator
 - Portfolio Website

PROBLEM SOLVING

- **Leetcode** : Successfully solved **350+** algorithmic challenges on LeetCode, specializing in Dynamic Programming, String Manipulation, Array Manipulation, Stack, Heap, Tree Structures, Graphs, and more.
- **GeeksforGeeks** : Resolved **100+** problems on GeeksforGeeks, spanning a wide range of topics including algorithms, data structures, and problem-solving techniques.
- **Hackerrank** : Attained the highest **5 Star** rating in problem-solving on HackerRank, demonstrating exceptional proficiency in tackling diverse problem sets.

LANGUAGES

- Hindi
- English