

Education

Deenbandhu Chhotu Ram University of Science and Technology Murthal

Bachelor of Technology in Computer Science and Engineering [CGPA:7.25],[Batch:2022-2026]

Minor: Data Science

Asha Sen. Sec. School

Completed 12th Grade with 95% Marks in 2021

Asha Sen. Sec. School

Completed 10th Grade with 83% Marks in 2019

Certifications

- ChatGpt - [ChatGPT for Digital Marketing](#)
- 7 WAVES LIFE SOLUTIONS PVT. LTD. - [Certificate of Appreciation for Organizing Seminar](#)
Presented to Vikas for exceptional leadership in the seminar "How to Set and Achieve Goals in Your Career?" on 24.04.2023 at DCRUST, Murthal.

Skills

Programming Languages:	C, C + +, Python, JavaScript
Frameworks/Libraries:	React, Django, Express.js, Bootstrap, NumPy, Pandas, OpenCV, Scikit-learn
Databases:	MySQL, MongoDB
DevOps Tools:	VS Code, Git/GitHub, Jupyter Notebook
APIs:	Spotify API
Authentication:	Cookies,Middleware

Projects

BlogNest

- Developed a full-stack blog website with features like user authentication, blog creation, editing, and deletion using Node.js and Express.js.
- Integrated MongoDB for secure data storage and used EJS for dynamic templating, ensuring a smooth user experience.
- Implemented responsive UI design with HTML, CSS, and JavaScript to enhance accessibility across all devices.
- Utilized cookies and middleware for secure user authentication and session management.

Facial Emotion-Based Music Recommendation System

- Developed an AI music recommendation system that uses facial emotion detection with OpenCV and Machine Learning to suggest songs based on mood.
- Implemented a Random Forest model for emotion classification and integrated the Spotify API for real-time song recommendations.
- Built a webcam-based emotion detection system that automatically plays the recommended song on Spotify.

Sorting Visualizer

- Built an interactive sorting visualizer using React.js and Tailwind CSS to demonstrate how various sorting algorithms work in real-time.
- Implemented multiple algorithms including Bubble Sort, Selection Sort, Insertion Sort, Merge Sort, and Quick Sort with animated comparisons and swaps.
- Used color-coded bars and a dynamic legend to visually represent algorithmic steps, improving conceptual understanding.

Extracurricular Activities

Certificate of Appreciation - India Record Launch

05 Apr 2024

- Volunteered during the launch event of "101 Reasons, Why I Will Vote For Modi," authored by Shantanu Gupta.
- Demonstrated leadership, teamwork, and event management skills during the national-scale event.
- Recognized for dedication and contribution to the successful launch of the book.

Certificate of Appreciation - 7 Waves Life Solutions Pvt. Ltd.

24 Apr 2023

- Led the organization and execution of a successful seminar on "How to set and achieve goals in your career?" for students of DCRUST, Murthal.
- Recognized for outstanding leadership, dedication, and providing valuable insights to the event's success.
- Acknowledged as a core team member for exceptional event management skills.