

MANSI DIXIT

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PROJECTS

[Color Analysis App](#)

March 2025

Technologies: React.js, Flask, OpenCV, Python, AI/ML

- Developed a web-based AI tool that analyzes a user's seasonal color palette from a selfie.
- Integrated a deep learning model with OpenCV to detect dominant facial colors.
- Provided personalized fashion recommendations based on seasonal color analysis.
- Implemented PDF generation for users to download a stylish AI-generated color guide.
- Designed an intuitive and responsive UI with React.js for seamless user experience.

[TaskFlow – An Enhanced Note-Taking Application](#)

January 2025

Technologies: React, Redux, Tailwind CSS, LocalStorage

- Revamped a PasteBin note-taking application into a modern tool featuring an intuitive drag-and-drop interface for seamless text insertion.
- Enhanced UI with responsive design, smooth transitions, and dark/light theme toggling.
- Maintained simplicity and fast performance with local data persistence using localStorage.

[Custom STL Implementation](#)

April 2024

Technologies: C++

- Developed a custom implementation of the Standard Template Library (STL), including commonly used containers like vectors, stacks, queues, and maps.
- Optimized performance with efficient algorithms and ensured compatibility with standard C++ practices.
- Designed the library to demonstrate an in-depth understanding of data structures and memory management in C++.

SKILLS

Programming Languages: C++, Python, JavaScript

Web Development: React.js, Flask, HTML, CSS, Tailwind CSS

Backend Technologies: MongoDB, REST APIs, Firebase

Machine Learning & AI: TensorFlow, PyTorch, Scikit-Learn, OpenCV, NLP

Developer Tools: Git, GitHub, Jupyter Notebook, Google Colab, Postman

Soft Skills: Problem-solving, Collaboration, Technical Writing

CERTIFICATIONS

Data Structures & Algorithms — Linux Socials

August 2024

Cloud Computing — NPTEL

October 2024

IBM DevOps and Software Engineering Professional Certificate — IBM

March 2024

ACHIEVEMENTS

Postman Student Expert

Certified proficiency in API understanding and related technologies through Postman tools.

Hacktoberfest

Successfully contributed to open-source projects and collaborated with a global community of developers.

Humana People to People (NGO)

Contributed to community outreach programs and social initiatives aimed at improving the quality of life in rural areas.

EDUCATION

Lovely Professional University, Phagwara, Punjab

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.01

August 2022–Present

Kendriya Vidyalaya CRPF Pinjore, Pinjore, Haryana

Intermediate (CBSE Board)

Score: 92

April 2020–May 2022