

VED PRAKASH SINGH

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Education

Dayananda Sagar College of Engineering
(CGPA-9.4) B.E. in Computer Science and Engineering

Bangalore
2023–Present

Technical Skills

Languages: HTML, CSS, JavaScript, TypeScript, C, C++

Frameworks: React.js, Express.js

Databases: MongoDB, SQL

Version Control: Git, GitHub

Projects

Trash to Treasure (MERN Stack), Designed and developed an interactive web platform using React, Express, MongoDB, and JWT authentication for secure user access. The platform enables users to donate, collect, and purchase upcycled products, promoting sustainability and waste management. Integrated user authentication, real-time product updates, and an intuitive UI for seamless interaction. [GitHub Repository](#).

Finance Tracker (MERN Stack), Built a personal finance management app using the **MERN stack**. Implemented a clean and accessible UI with **shadcn/ui** and rich data visualization using **Recharts**. Features include income/expense tracking, category-wise breakdown, and dynamic chart-based insights. [GitHub Repository](#).

Result Calculator (CGPA & SGPA Estimator), Developed a CGPA and SGPA calculator with prediction and estimation features. Implemented an intuitive UI for easy input and accurate result computation. Designed predictive algorithms to estimate future grades based on past performance. [GitHub Repository](#).

Hackathons

DISLEXIA AI (Top 5 Finalist), Built a full-stack web application to assist individuals with dyslexia using AI-powered solutions. Developed a robust API and backend with **FastAPI**, and a responsive frontend using **React**. The project featured intelligent text processing and a user-friendly interface. [GitHub Repository](#)

Certifications

Python Certification: [View Certificate](#)

Computer Vision with Python: [View Certificate](#)

Achievements

Coding: Codeforces rating: 810, CodeChef rating: 1330.

Open Source: Contributor to Sugar Labs and many more on GitHub.

Examinations: Qualified NDA and JEE examinations.

Global Summit: Selected for the **TLE Global Summit**, Bangalore.

Hackathons: Participated in multiple hackathons, showcasing innovation and teamwork.