VED PRAKASH SINGH

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Education

Dayananda Sagar College of Engineering **Bangalore**
(CGPA-9.4)B.E. in Computer Science and Engineering *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: 956, CodeChef rating: 1402.
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.