VED KERKAR

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Education

Bachelor of Engineering in Computer Engineering   **2021 - 2025**
Don Bosco College of Engineering
- Honors in AI-ML.

Computer Science   **2019 - 2021**
Shree Damodar Higher Secondary School of Science

Technical Skills

Languages: C,C++, Python, HTML/CSS, JavaScript, SQL
Technologies/Frameworks/Libraries: GitHub, React, Vite, Next.js
Relevant Courses: Data Structures & Algorithm, OOPS, Computer Networks, DBMS, Operating System

Projects

Underwater Image Processing | National Institute of Oceanography (NIO)   **July 2023 - Present**

- Problem: Assessing reef water quality was challenging due to poor underwater image quality.
- Solution: Started with histogram equalization and segmentation to improve image quality. After annotation of sponges from a dataset we trained it on YOLO v9.
- Result: Our model provided accurate measurements crucial for evaluating coral and sponge health. This streamlined the analysis process and significantly improved reef water quality assessments.

Faculty Management System Project | Don Bosco College Of Engineering   **December 2023**

- Utilized PHP and MySQL to create a dynamic platform where faculty can easily monitor and update student activities.
- Implemented an authentication system with super admin privileges, ensuring secure and efficient user management, making it user-friendly for teachers to keep records and update information.

Website Development | South Goa Advocates Association   **October 2023**

- Developed static website using HTML, CSS, PHP, and MySQL for South Goa Advocates Association.
- Enabled public access to upcoming events, notifications, and activities.
- Achieved successful deployment with fast loading times.

Work Experince

Frontend Web Developer Intern | Seva.co

- Implemented design into single page web application using React, Typescript, TailwindCSS

Certifications

- Web Developer Bootcamp 2022 (08/2022 - 02/2023)
- NPTEL Course in Python (09/2022 - 12/2022)

Leadership/Extracuricular

- Secretary, College E-CELL Council (2023-24): Led the organization of 'AVINYA,' a prestigious national-level entrepreneurship event, making it the mostly successful event all over Goa
- Leader, NIO Project: Directed and managed tasks within the NIO project, ensuring seamless progress and optimal workflow.