YATIN V BHOVI

Ankola, Karnataka, India, 581314

Enthusiastic Full Stack Developer with strong interests in Web Development and algorithmic problem-solving.

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Education

Sahyadri College of Engineering and Management — Dec 2022 – Jun 2026

*Bachelor of Engineering in Computer Science, **CGPA: 9.3*** — *Mangalore, Karnataka*

Gokhale Centenary Pre-University College — 2020 – 2022

*Pre-University Course, **Percentage: 89%*** — *Ankola, Karnataka*

Projects

DonorShield | *MongoDB,Express.js,React.js,Node.js,Solidity,Blockchain* — **May 2024**

- Developed a full-stack donation platform using the **MERN stack** integrated with **smart contracts** to ensure secure and transparent fund management.
- Enabled **real-time donation tracking** for donors, improving trust by providing visibility into how funds are allocated and utilized.
- Designed a smart contract-based disbursal system to automate and enforce fair, tamper-proof distribution of donations to verified beneficiaries.

Non-Invasive Anemia Detection Through Conjunctival Analysis | *YOLOv8,ANN,Flask,OpenCV* — **March 2025**

- Developed a non-invasive anemia detection system using conjunctiva images as an alternative to traditional blood tests.
- Implemented **YOLOv8** for conjunctiva segmentation and an **ANN** model for hemoglobin level prediction.
- Enhanced accuracy using preprocessing techniques like histogram equalization and Gaussian blur.
- Built a **Flask web app** for real-time anemia screening with user-uploaded eye images.

Gym Management System | *MySQL, JavaScript, HTML/CSS, PHP* — **November 2024**

- Developed a web-based system to manage gym operations for members, trainers, and administrators.
- Implemented modules for user registration, subscriptions, trainer assignments, workout tracking, and feedback.
- Designed a structured **MySQL database** with linked tables for users, trainers, and membership data.

Technical Skills

Languages: Java, C++, HTML, CSS, JavaScript
Developer Tools: VS Code, Git, Postman
Technologies/Frameworks: Express.js, React.js, Node.js, MongoDB

Certifications

Fundamentals of Network Communication — June 2024

University of Colorado System — Coursera — *Verify*

Achievements

SAP Hackfest 2025 – Regional round winners — July 2025

*Presented the project **MLPD: A Distributed Consensus-Driven Approach to Safeguard Digital Trust***

Techvision 2025 – Project Expo Participant — May 2025

*Showcased the project **ML-Based Non-Invasive Anemia Detection*** — *SCEM, Mangaluru*

Skill Sangam 2K25– Full Stack Hackathon — June 2025

*Developed a real-time **Patient Token Management System*** — *SCEM, Mangaluru*