Harsh Nesari

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Education

Nov 2022 – Aug 2026 **B.E in Computer Science**	KLE Technological
GPA: 9.2	University, Belagavi
Aug 2020 – May 2022 **PCMB**	SDVS College,
XII Grade: 96.5%	Sankeshwar

Profile

Undergraduate Computer Science student with a strong interest in backend development and system design. Skilled in Node.js, Express, MongoDB, and SQL, with experience building full-stack applications. Currently working on writing technical blogs to simplify backend concepts, and actively exploring system design to deepen understanding of scalable systems.

Technical Skills

Programming Languages: C++, JavaScript.
Web Development: HTML, CSS, React.js, Node.js, Express.js, MongoDB, SQL.
Tools & Platforms: Postman, Git, GitHub, VS Code.
Libraries & Frameworks: Tailwind CSS, Bootstrap, Framer-motion.

Projects

1. ReframeAI
Role: WebAI Developer   **Tech Stack: MERN**, Flask, OpenAI API

An AI tool that improves user queries to get better responses from AI models by refining prompts for more accurate results.

– Developed a deep learning-based prompt optimization system using the **T5 Large model**, integrated with a web interface to automatically generate optimized, context-aware prompts.

– Focused on **model fine-tuning**, reducing response time and improving performance under varying loads.

– Achieved **85% accuracy**, improving user query results by over **15%**. Tested with **100+ users**, showing noticeable increase in effectiveness and satisfaction.

2. BlockRight
Role: Full-Stack Blockchain Developer   **Tech Stack: React.js, Node.js, MongoDB, Solidity, Ethereum**

A blockchain-based platform that securely verifies and protects digital content ownership.

– Built a **Web3 platform** using Ethereum and Ganache to provide secure copyright registration for digital assets like images, audio, and videos.

– Integrated **MetaMask** for decentralized transactions and implemented **smart contracts** to ensure data integrity and transparent ownership.

– The platform handled **1,000+ secure transactions**, helping creators reduce piracy and prove ownership reliably.

Achievements

- Published a research paper on **"Problematic Internet Use Severity"** in Machine Learning.
- Secured **All-World Rank 250** in the **WIDS** (Women in Data Science) Datathon.
- Won **2nd Prize** in a **University-Level Hackathon**, demonstrating creativity and problem-solving.