RAGHVENDRA SINGH DHAKAR

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EDUCATION

Indian Institute of Information Technology Nagpur   **Nov 2022 - Present**
B.Tech (Computer Science Engineering, GPA: 7.9)   *Nagpur, Maharashtra*

Coursework: Data Structures and Algorithms, Database Management System (DBMS), Object-Oriented Programming (OOPs), Computer Networks, Operating Systems.

PROJECTS

Insights | AI-Powered E-Learning Platform   **GitHub | Live Demo**
- *Tech Stack: Next.js, Google Gemini AI, TypeScript, PostgreSQL, Prisma, Tailwind CSS*
- Developed an **AI-driven** e-learning platform offering 100+ personalized courses with unit-wise breakdowns, and interactive chapters to enhance user learning engagement.
- Engineered an **intelligent content generation** system that auto-generates **structured materials**, integrates YouTube videos, and enables users to create and share custom learning modules, fostering **collaborative education**.
- Built a **smart quiz** system leveraging AI to generate contextual MCQs, enabling **automated assessment**.

GitBuddy | AI-Powered GitHub SaaS for Developers   **GitHub | Live Demo**
- *Tech Stack: Next.js, Google Gemini AI, Assembly AI, Langchain, Prisma, TypeScript*
- Developed a **full-stack AI-powered GitHub SaaS** to enhance developer workflows with **automatic code analysis**, AI suggestions, and advanced code search capabilities.
- Integrated **Google Gemini AI** and **Assembly AI** for real-time code analysis and meeting transcription.
- Integrated an **AI chatbot** for codebase insights, and multi-project management with **10+ team collaboration** and **Git repository analysis** for commit history summarization and repository analytics.

WebGenie | Web development starter kit generator   **GitHub | Live Demo**
- *Tech Stack: Next.js, Node.js, React, Typescript, Tailwind CSS*
- Designed a **web development starter kit generator** that allows users to create with customizable tech stacks, including Prisma, Authentication (NextAuth/BetterAuth), and various frameworks.
- Engineered an efficient **CLI-based automation system** that streamlines project setup with **pre-configured dependencies**, reducing setup time by 50% while ensuring best coding practices.

Realtime Collaborative Workspace | SaaS Application   **GitHub**
- *Tech Stack: Next.js, Drizzle ORM, Supabase, WebSockets, Redis, Tailwind CSS*
- Built a real-time collaborative document workspace enabling multiple users to work simultaneously, featuring **live cursors, text selection**, and **presence indicators**.
- Implemented **WebSockets** for instant UI updates and **Redis Pub/Sub** for efficient real-time messaging, ensuring smooth collaboration without server limitations.

SKILLS

Languages: C, C++, Python, JavaScript, Typescript
Web Development: React, Next.js, Node.js, Express.js
Developer Tools: VS Code, Postman, Git, GitHub, Docker,
Databases and ORMs: MongoDB, PostgreSQL, Prisma , Supabase, Redis

Competitive Programming Achievements

- Achieved a max rating of **1686 (Expert)** on Codeforces — **View Profile**.
- Earned the **Knight badge (Rating: 2043)** on LeetCode (Top **2%**) — **View Profile**.
- Achieved a rating of **1818 (4-Star)** on CodeChef with a **Global Rank of 72** in Starters 183 — **View Profile**.
- Solved over **1000+ algorithmic problems** across platforms, demonstrating strong problem-solving skills and deep understanding of DSA.

Leadership & Involvement

- **Core Member, Google Developer Group IIIT Nagpur:** Conducted interactive sessions on Competitive Programming (DSA) and mentored 100+ students to strengthen their foundational skills .
- **Orator Club, IIIT Nagpur - Member of the Organizing Committee:** Played a key role in successfully hosting **MUN 23**, attracting 200+ participants and fostering greater engagement in public speaking events.