KUMAR CHAUDHARY

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🔗 Github | 🔗 Leetcode | 🔗 HackerRank

ABOUT ME

Full-stack developer skilled in building high-performance, scalable applications using modern technologies like **React.js**, **Node.js**, **Next.js**, **MongoDB** and **PostgreSQL**. Experienced in RESTful APIs, and database optimization. Currently pursuing a **B.Tech in Artificial Intelligence and Data Science** with a focus on **developing impactful, real-world solutions.**

INTERNSHIP

Balmiki International School | **Web Development Intern**   **July 2024 – August 2024**
Technologies Used: React.js, Node.js, Express, MongoDB

- Developed a full-stack student portal, reducing administrative workload by **50%** and enhancing accessibility for **500+ students and parents**.
- Implemented **JWT authentication**, reducing unauthorized access attempts by **90%** and improving session security.
- Designed and optimized **RESTful APIs**, reducing database query response time by **35%,** improving API efficiency for 500+ users.
- Conducted **API testing using Postman,** identifying and fixing **20+ critical bugs**, ensuring **90% uptime** after deployment on Render.

PROJECTS

Smart Attendance System | **React.js, Node.js, Express, Python, OpenCV, MongoDB**   **October 2024 – November 2024**

- Built a **real-time attendance system** with **face recognition** using **OpenCV** and **dlib**, achieving **95% recognition accuracy** and reducing **manual attendance errors by 70%**.
- **Enhanced accuracy by 30%** through **optimized MongoDB storage** and **secured authentication** with **Clerk**, reducing unauthorized access by **90%**.
- Overcame challenges in **integrating AI-based recognition** with **Node.js backend**, ensuring **90% uptime**.
- **GitHub**: https://github.com/kumarchy/FullStack-Attendance-System

BuildUp | **React.js, Node.js, Express , Prisma, PostgreSQL**   **January 2025**

- Developed a **project publishing platform** where users can **post project details** with **links and descriptions**, integrating **Prisma ORM** with **PostgreSQL** for **optimized database performance**.
- **Secured authentication** for **100+ users** using **JWT tokenization**, improving **session management efficiency by 40%**.
- Solved complex **schema structuring and model relationships**, reducing **query response time by 30%**.
- **GitHub**: https://github.com/kumarchy/BuildUp

Blogger | **Next.js, Tailwind CSS, MongoDB**   **October 2024**

- Created a **scalable blogging platform** with **Next.js,** ensuring **server-side and client-side rendin**g for **40% faster page load times**.
- Solved **data management challenges** by integrating **MongoDB**, enabling **seamless scalability for 200+ blog posts and user interactions.**
- **GitHub**: https://github.com/kumarchy/Blog-App

SKILLS

Programming : Python, Java, JavaScript
Frontend : React.js, Next.js, Tailwind CSS, Bootstrap, HTML, CSS, JavaScript
Backend : Node.js, Express.js, RESTful APIs, JWT Authentication
Databases : MongoDB, PostgreSQL, MySQL
Version Control & Tools : Git, GitHub, Postman, Docker,AWS, Kubernetes

ACHIEVEMENTS

Project Expo Participant – Water Puriflex | Veltech HighTech College of Engineering and Technology

- Selected from **100+ teams** to present **Water Puriflex**, a project that improves **water purification efficiency** by **25%**.

LeetCode & HackerRank Achievements

- **LeetCode:** Solved **200+ problems,** focusing on **Dynamic Programming, Graphs, and Algorithms**.
- **HackerRank:** Solved **multiple coding challenges** in **SQL, and Data Structures,** improving **problem-solving skills**

EDUCATION

B Tech in Artificial Intelligence and Data Science
KPR Institute of Engineering and Technology, TamilNadu, Coimbatore   **2022 - 2026**

LANGUAGES

Fluent in: Nepali, Hindi, English