Krishan Goyal

LinkedIn | Github | LeetCode | GeeksforGeeks | Portfolio

EDUCATION ENROLLMENT

Kalvium's UG program in CS (Software Product Engineering)
2024-28
Campus: Baddi, Himachal Pradesh | Bachelor's enrollment: BE-CSE
Chitkara University | Current CGPA: 10.00

BABA BILASGAR PUBLIC SCHOOL, Distt. Hisar, Haryana **2022-24**
Completed Class 12th from CBSE - 75%

K.M. Saraswati Sr. Sec. School, Tohana, Haryana **2021-22**
Completed Class 10th from BSEH - 98%

TECHNICAL SKILLS

- **C++ Programming Language** – Advanced
  Solved over 290 algorithmic problems on LeetCode and GeeksforGeeks, building a strong foundation in data structures and algorithms

- **MERN Stack (MongoDB, Express.js, React.js, Node.js)** – Advanced
  Engineered multiple end-to-end full-stack web applications with complete frontend-backend integration using JavaScript (ES6+) for features like asynchronous programming, React for UI, Express for API handling and Mongoose for schema design and validation

- **HTML5 & CSS3** – Intermediate
  Built responsive layouts using Flexbox and CSS Grid with semantic, accessible markup.

- **Version Control - Git & GitHub** – Advanced
  Implemented version control actively for all the projects over the past year, including branching, pull requests, and collaboration.

- **RESTful APIs** – Advanced
  Designed and consumed numerous APIs while developing various projects with proper routing, HTTP methods, and error handling.

PERSONAL STATEMENT

Full-stack developer skilled in MERN stack, real-time apps (Socket.io, Yjs), and custom API tooling (npm). Solved 290+ DSA problems on LeetCode & GFG, strengthening systems thinking and solving real world problems ability. Interested in building scalable, secure, and AI-augmented web experiences.

PROJECTS

Skill Hire | Full-Stack Job Marketplace **April 2025 - June 2025**

Github Repo Link | Deploy Link

- A web platform designed to connect clients with short-term and long-term service providers. Made with a vision to provide an opportunity for 20M+ Indians who are able and willing to work but can not find the right path for it.
- Designed triple-role UI (Go, Pro, Client) and integrated **real-time chat via Socket.io** with auto-refreshing chat history and role-based access.
- Deployed MVP in a **6-week agile sprint** with **12+ production-grade features**, modular architecture, and end-to-end auth via JWT.

CoWrite | AI-Powered Real-Time Document Editor **June 2025**

Github Repo Link | Deploy Link

- Developed a real-time collaborative editor with **Yjs + WebSocket**, enabling multi-user editing, live cursors, and comments with <100ms sync latency.
- Implemented **auto-save and recovery logic**, reducing risk of data loss by 50% during crashes or disconnects.
- Integrated **Gemini API** to power AI-assisted writing: grammar correction (near 100% accuracy), smart rewriting, and summarization.
- Architected modular React + Node.js app with JWT-based auth, Express routes, and MongoDB storage; deployed via CI-ready structure for future scale.

EmotiSense | Real-Time Emotion Detection Web App **June 2025**

Github Repo Link | Deploy Link

- A real-time web application that detects human emotions from webcam feeds or uploaded images using **face-api.js** and **Material UI,** achieving **80% average accuracy** on webcam feeds and **90%** on image uploads.
- Engineered seamless face detection with overlays for **facial landmarks overlays** and emotion probability, ensuring an interactive and user-friendly experience.
- Implemented snapshot capture and download functionality, enabling users to **export video frames** for offline analysis.
- Optimized client-side processing to maintain **30+ FPS** on mid-range devices, ensuring

smooth real-time interaction.

apiwiz | Lightweight Node.js HTTP Helper Library **June 2025**
Github Repo Link | npm Link

- A lightweight Node.js helper library published on npm that streamlines HTTP API calls by removing boilerplate and automating error handling saving around 30-50 seconds of time used in writing the classic boilerplate code.

- Supports all HTTP methods with features like built-in error management, automatic retries, token refresh on 401 errors, request cancellation, and customizable Axios settings.

- Provides consistent response formatting and is architected for easy unit testing and extensibility, accelerating API integration by 25%.

- Provides consistent response formatting and is designed for easy testing and extensibility to simplify API integrations.

CERTIFICATIONS

- SQL Intermediate - **HackerRank**
- Programming Intermediate - **HackerRank**
- Fundamentals AI Concepts - **Microsoft**
- Fundamentals of Generative AI - **Microsoft**