Kunal Yadav

Full-stack developer · Gurugram, Haryana

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EDUCATION

Master of Computer Applications (MCA) 2025 – 2027
Indira Gandhi University, Meerpur

Bachelor of Computer Applications (BCA) 2021 – 2024
Indira Gandhi University, Meerpur

TECHNICAL SKILLS

Languages	JavaScript, Python, Java, C, C++, C#, R
Frontend	React.js, HTML, CSS, Tailwind CSS, Bootstrap
Backend	Node.js, REST APIs, Hono, Auth (JWT, OTP, passkeys), Payments
AI	MCP servers, LLM APIs (OpenAI, Claude, Gemini), Workers AI, OCR
Mobile	Android, Capacitor, PWA
Data	PostgreSQL, MySQL, MongoDB, Cloudflare D1
Cloud	Cloudflare Workers, Pages, Pages Functions, R2, D1
Tooling	Git, GitHub, VS Code, WordPress, SEO, DNS & hosting

PROJECTS

ReaderByte (Coming soon) readerbyte.com
- Built and maintain an edtech platform made up of multiple web and Android apps.
- Centralised admin panel for apps, users, content, analytics and platform settings.
- Management systems for question banks, test series, study material and AI tools.
- Deployed on Cloudflare Workers, Pages, D1 and R2.

ByteLabs (Early access) bytelabs.co.in
- Runs client work end to end: scoping, design, development, deployment and hosting.
- Publishes in-house tools such as Quiz AI, Markdown Editor and Diagram Studio.
- Handles domains, DNS, email and performance/SEO for client sites.

SSC for Sandeep sscforsandeep.com
- Full-stack exam-prep platform for SSC CGL, CHSL, CPO and MTS aspirants.
- Admin panels for question banks, test series, courses, material, users and orders.
- Payment gateway, automated invoicing, email notifications and order management.
- SEO, caching and performance work for better search visibility.

Ujjwal Sr. Sec. School ujjwalbawania.com
- Responsive React and Tailwind CSS website for an HBSE-affiliated school, with SEO optimisation.

Quiz AI Browser extension
- Browser extension that extracts quiz text and solves questions using AI APIs.
- Automatic answer marking and navigation to the next question, with detailed attempt logs.
- OCR-based text extraction for image-based questions.

Markdown Editor `Free web + Android app`

- Live split preview with scroll sync, outline, folders, tabs, version history, password-locked documents and offline PWA.
- AI writing assistant: built-in free model or your own keys for OpenAI, Claude, Gemini, Grok, Groq, DeepSeek, Qwen, NVIDIA Nemotron and more.
- Diagrams (Mermaid, Graphviz, PlantUML, D2, Vega-Lite, mind maps), KaTeX math, GitHub alerts, footnotes and slides.
- Imports Word, PDF, HTML, CSV and notebooks; exports Word (.docx), PDF, HTML, LaTeX, EPUB, PNG/JPG/SVG and narrated MP3.
- Email-OTP accounts with cloud sync across web and Android; short share links and QR codes.

Diagram Studio `Free web tool`

- 25+ diagram types: Mermaid, Graphviz, PlantUML, D2, WaveDrom, Vega-Lite charts, GeoJSON maps, mind maps and sheet music.
- Describe a diagram and AI draws it; fix errors with one click.
- Export SVG, PNG, JPG, PDF and Markdown; embed live diagrams on any site; share links.
- Shares your account, library and cloud sync with Markdown Editor.

AutoForwarder Pro `Telegram bot`

- Telegram automation bot that forwards thousands of messages.
- Scheduling, monitoring and Telegram Bot API integration.
- Works around Telegram forwarding and download restrictions.

Agent Relay `AI agent skill`

- Makes the repo itself the shared state: a task board, per-file locks and an inbox, all plain JSON/Markdown.
- Zero-dependency Python CLI (relay.py) so any agent can claim, hand off, ask for help or broadcast cheaply.
- Scaffolds a root AGENTS.md that Codex, Antigravity, Cursor and Claude Code all read automatically.
- Cuts token cost on handoffs: agents read a short status summary instead of re-deriving context.

QR Code Generator `Free web tool`

- Halftone QR rendering: every module keeps its data in the centre while the photo fills the rest, verified with an in-browser scan check.
- 12 content types including UPI payments, Wi-Fi, vCard and WhatsApp.
- Dynamic, trackable codes backed by the kydv.in URL shortener.
- Vector SVG and print-ready PDF exports; bulk ZIP for menus, tables and badges.

URL Shortener `Free web tool`

- Redirects run in Cloudflare Pages middleware with click logging in D1.
- Anonymous links get a private manage key; signing in moves them to your account.
- Every page of kunalyadav.co.in has its own short link under Share.

Context Vault `MCP memory server`

- Shares memories and full chat transcripts across every Claude account and client through the Model Context Protocol.
- Asks permission before every file, config or network access, with reviewable grants and an audit log.
- Cloud sync on the kunalyadav.co.in account (same sign-in as Markdown Editor), with optional end-to-end encryption.
- Remote MCP endpoint on Cloudflare Pages Functions and D1 gives each user a personal claude.ai connector URL.
- Python client for Windows, macOS and Linux: CLI, desktop window, Claude Code hooks, export/import and a multi-agent split gate.

ACHIEVEMENTS

- 2nd rank in BCA semester 3
- 5th rank in BCA semesters 4 and 5
- 2nd place, PC Assembling at Yugantar 2K23
- NPTEL certification: Programming in Java

LEADERSHIP

Head, Techknow Club
RPS College of Engineering and Technology