

RONAK KAMBOJ

Bhopal, Madhya Pradesh | +91-9244331984

ronakkamboj26@gmail.com | linkedin.com/in/ronak-kamboj | github.com/R7rainz

EDUCATION

Bachelor of Technology in Computer Science <i>VIT Bhopal</i>	2023 – 2027 CGPA: 8.53/10
Senior Secondary & Secondary (CBSE) Sagar Public School <i>Aggregates: 85.2% (Class XII), 92.4% (Class X)</i>	2021 – 2023

TECHNICAL SKILLS

- **Languages:** C++, Go (Golang), JavaScript, TypeScript, Python, SQL, HTML, CSS
- **Frameworks & Libraries:** Node.js, React.js, Next.js, Express.js, Tailwind CSS, Fastify
- **Infrastructure & Tools:** Docker, Linux (Arch), Kafka, Redis, Git, GitHub Actions
- **Databases:** PostgreSQL, MySQL, Firebase, Supabase, Prisma
- **Core CS:** Data Structures & Algorithms, Operating Systems, DBMS, Microservices, REST APIs

PROJECTS

- **PulseOps** | *Node.js, Go, Kafka, PostgreSQL, Next.js, Redis, Docker* [GitHub](#)
 - Engineered a self-hosted infrastructure monitoring platform using **Fastify (Node.js)** and **Next.js** for tracking uptime, latency, and SSL certificate expiry.
 - Developed a concurrent, high-performance ping engine in **Go** utilizing a goroutine worker pool to process targets asynchronously via **Apache Kafka**.
 - Implemented an event-driven webhook alerting system utilizing **Redis** and **BullMQ** for exponential backoff and reliable incident delivery.
 - Containerized a 7-service microservices architecture utilizing **Docker Compose** with **PostgreSQL** and Prisma ORM for robust state machine incident tracking.
- **AuraMail** | *Go, Next.js, PostgreSQL, OpenAI GPT-4* [GitHub](#)
 - Built an AI-powered placement email analyzer that syncs with **Gmail** via **Google OAuth 2.0** to automatically detect and categorize placement-related emails for students.
 - Integrated **OpenAI GPT-4 Mini** to extract structured data (company, role, deadline, salary, eligibility) from unstructured email content and auto-classify into 10 categories.
 - Engineered a **Go (Chi router)** backend with **SSE streaming** for real-time email processing updates, backed by **PostgreSQL** with Goose-managed migrations.
 - Implemented one-click **Google Calendar** sync for deadline tracking and a priority-sorted dashboard built with **Next.js** and **shadcn/ui**.
- **Github-Banners** | *Go, Kafka, PostgreSQL, Goose* [GitHub](#)
 - Developed a scalable microservices backend in **Go** for dynamic GitHub profile banner generation.
 - Implemented **Apache Kafka** as a message broker to facilitate asynchronous, event-driven processing.
 - Designed for high-concurrency environments to handle rapid API requests from GitHub's proxy servers.
- **Arch Linux Environment** | *Lua, Shell, Hyprland* [GitHub](#)
 - Architected a high-performance Wayland desktop environment utilizing **Hyprland** and **Noctalia Shell**.
 - Streamlined system deployment via **GNU Stow** for configuration management and automated driver scripts.
 - Optimized developer productivity by configuring a specialized terminal workflow with **Neovim** and **Tmux**.
- **Codequest-Lite** | *React, Firebase, Tailwind CSS* [GitHub](#)
 - Developed a tracking dashboard to aggregate and visualize metrics from **LeetCode** and **CodeChef**.
 - Used **Firebase** for real-time progress syncing and interactive data visualization.

ACHIEVEMENTS & ACTIVITIES

- **Open Source Recognition:** Arch Linux "Rice" featured on [It's FOSS](#) as one of the top Hyprland configurations for UI/UX excellence.
- **Technical Efficiency:** Achieved top 0.01% global rank in competitive typing speed (**150+ WPM**).
- **Competitions:** Won 3rd position in Technical Quiz at Tech Fest (Delhi Public School Kolar).
- **Athletics:** State Level Badminton player and college Football team member.