

Rewant Bhriguvanshi

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EXPERIENCE

Founding Engineer

Oct. 2025 – Dec. 2025

Perseo-AI

Delhi, Remote

- Built an AI-powered productivity assistant **from scratch** using Gemini AI with function calling, enabling natural language email management (read, draft, send, delete, label) with contextual conversation history and multi-turn dialogue support.
- Designed and implemented an intelligent agent architecture with Composio SDK integration for seamless Gmail/Calendar API orchestration, processing user intents through LLM-based tool selection and automatic action execution.
- Developed context-aware email processing pipeline with label synonym mapping, thread context tracking, and smart error handling, reducing user friction through proactive action suggestions.

PROJECTS

Zync | *Next.js 15, TypeScript, tRPC, Prisma, Inngest, E2B*

[Github](#) | [Live Demo](#)

- Architected a **AI orchestration system** using **Inngest Agent Kit** with intelligent multi-model fallback chains and exponential backoff retry logic, achieving a **99%+ generation success rate** through rate-limit-aware model switching.
- Engineered an **agentic code-generation pipeline** with tool-calling and context-aware prompting (conversation memory), generating complex React apps (**4+ files, 150+ LOC**) with **static import validation** and secure **E2B sandboxed execution** for live previews in **¡30s**.
- Achieved a **99 Lighthouse score** (0.6s FCP, 1.4s LCP) and validated backend readiness with **Autocannon**, sustaining **75 req/sec at 265ms avg latency** (20 concurrent) while enforcing **CSP security headers** and Prisma-backed credit rate limiting.

MATist | *AI Systems, LLM Orchestration, Next.js, Flask, Gemini/OpenRouter*

[GitHub](#) | [Live Demo](#)

- Designed and built a **multi-agent LLM system** for automated MATLAB practical generation, orchestrating Theory, CodeGen, Explanation, Optimization, and LaTeX agents for end-to-end educational workflows.
- Implemented **LLM reliability and scalability mechanisms** including Gemini primary with OpenRouter fallback, streaming (SSE), retries, timeouts, parallel generation, prompt constraints, and output validation for consistent AI responses.
- Developed a **production-ready AI backend** using Flask APIs with rate limiting, caching, observability-friendly logging, PostgreSQL (Prisma) for history, and deployed full-stack on Vercel and Render.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C/C++, SQL, HTML, CSS

Frameworks & Libraries: React, Next.js, Node.js, Express.js, Zod, tRPC, TanStack Query, Prisma, TailwindCSS, Framer Motion, ShadCN UI, Vite

Databases: MongoDB (Mongoose), PostgreSQL (Prisma)

Tools & Platforms: Git, GitHub, Docker, Vercel, Render, Cloudinary, VS Code

ACHIEVEMENTS

Smart India Hackathon'25 | *Finalist*

- Presented an innovative solution to the problem of alumni management for higher institutions, making it an ultimate immersive experience that joins alumni, admins and current students

Smart Delhi Ideathon | *Top 10 out of 1500+ teams*

- Proposed a system connecting instant-delivery drivers with women's safety tasks, advancing to final presentations among **1500+ teams**.

EDUCATION

University of Delhi

Expected June 2027

Bachelor of Technology in Electronics and Communication (Minor in Computer Science)

CGPA: 8.0/10