Krishna Shukla

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EDUCATION

Ajay Kumar Garg Engineering Ghaziabad, UP
Bachelor of Technology in Information Technology *Aug. 2023 – May 2027*

Lucknow Public School Sitapur, UP
Class XII — CBSE — Percentage: 84% *June 2022*

OPEN SOURCE EXPERIENCE

Rocket.Chat Remote
Open Source Contributor *Dec 2024 – Present*
- Enhanced app features and documentation, demonstrating strong collaboration and TypeScript skills
- Contributed multiple PRs to the EmbeddedChats and Apps.QuickReplies repositories

Layer5 / Meshery Remote
Open Source Contributor *May 2025 – Present*
- Built Layer5 website and Meshery app locally using Docker and Kubernetes
- Contributed bug fixes and feature enhancements to Meshery CLI and website
- Created a Go test for `mesheryctl` using Meshery's native Go testing framework

PROJECTS

PdfPod | *Next.js, TypeScript, BullMQ, Redis, Qdrant, MongoDB* Aug 2025
- Built an AI document assistant using Next.js, Express, and LangChain with RAG-based PDF chat for context-aware answers.
- Developed an async podcast pipeline with BullMQ, Upstash Redis, Google TTS, and R2 to auto-convert documents into audio.
- Implemented secure multi-tenant auth with Clerk and real-time UI using Tailwind, shadcn, Zustand.

SketchBoard | *Turborepo, Next.js, WebSockets, PostgreSQL, Prisma* Sept 2025
- Built a real-time collaborative whiteboard using WebSockets with smooth, low-latency sync.
- Implemented PostgreSQL + Prisma persistence for shapes/strokes with efficient diff-based updates.
- Developed a scalable Turborepo architecture with Next.js 14, Tailwind, Prisma, PostgreSQL, and shared UI + backend packages.

Email Template Extension | *React, TypeScript, Chrome Extension* Jul 2025
- Engineered a resilient AI backend with a multi-provider fallback (Groq, OpenRouter) to maximize speed and uptime.
- Built an inbuilt code editor with AI Chat editor and preview option.
- Developed a modular React and TypeScript UI featuring a real-time streaming chat and seamless Gmail integration.

ACHIEVEMENTS

Prometeo'25 Hackathon — Finalist (Top 5) Jan 2025
- Developed a full-stack doctor–patient communication platform with dedicated dashboards.
- Integrated a multimodal LLM to analyze facial and nail features for Ayurvedic insights.

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, C, Go
Frameworks: React.js, Next.js, Node.js, Express.js, Tailwind CSS
Libraries: Redux, Material UI, Framer, Zustand
Developer Tools: Git, GitHub, Docker, Kubernetes, Linux