

Rishabh Maurya

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EDUCATION

- **KIET Group Of Institution Engineering College** Ghaziabad, India
Bachelor of Technology - Computer Science And Engineering; GPA: 8.1 *Sep 2020 - June 2024*
Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Networking, Databases

SKILLS SUMMARY

- **Languages:** JavaScript, TypeScript, Golang, Python, SQL, NON-SQL
- **Frameworks:** Next.js, React, Node.js, Django, FastAPI, LangChain, LangGraph, Tailwind CSS
- **Tools:** Git, Docker, Kubernetes, PostgreSQL, Jenkins, Lens, Stripe, PhonePe, Razorpay, n8n
- **AI Technologies:** Google Cloud APIs, Retrieval-Augmented Generation (RAG), Agentic RAG, Multimodal Integration, Realtime Gemini Live API Integration, Agentic AI, Automation with n8n, MCP Protocol, A2A Protocols
- **Soft Skills:** Leadership, Problem Solving, Cross-Functional Collaboration

EXPERIENCE

- **Dexter Capital** Bengaluru, India
Software Engineer *June 2025 - Present*
 - **Deal Flow Automation System:** Built comprehensive automation system using n8n workflows (100+ nodes) that processes 450-600+ monthly inbound deals. Implemented automatic deal assignment based on team expertise, instant dashboard population with complete deal information (sector, sub-sector, industry, revenue model, founder contacts, deal stage), and automated CRM integration.
 - **AI-Powered Deal Analysis:** Developed automated deck analysis system generating detailed notes enriched with external data including founder LinkedIn profiles, mentor/advisor information, and market intelligence. Integrated LangChain for intelligent document processing and data extraction.
 - **Workflow Optimization:** Reduced dashboard management time by 90% and saved 150+ productive hours for the Investment team in 15 days. Built automated distribution system via WhatsApp and systematic filing in shared drive and CRM tools, enabling the team to focus on evaluating opportunities and supporting founders.
 - **Internal Tool Development:** Designed and developed custom internal tools for venture capital operations, improving operational efficiency and data management across the investment pipeline.
- **Monkey Science** Bengaluru, India (Hybrid)
Software Engineer *September 2023 - June 2025*
 - **Core Platform Development:** Served as a core member, independently managing the product side of the Monkey Science platform (monkeysience.io), including AI Tutor, Monkey Bot, simulation platform, and dashboards. Built scalable solutions using Next.js for frontend, Golang/Node.js/Django/FastAPI for backend microservices, LangChain and LangGraph for AI workflows and PostgreSQL/MongoDB for data management, supporting 50+ institutions.
 - **AI Tutor:** Built personalized AI tutor that explains simulations and science concepts with real-time interruption/resume, contextual suggestions from previous discussion, and direct simulation control during conversations. Improved student engagement by 30% and retention by 25%. [AI Tutor Demo](#)
 - **Monkey Bot:** Built multimodal RAG chatbot with audio/text input/output capabilities for simulation control and Q&A. Features visual workflow design with React Flow for parameter adjustments and camera control, integrated with Google Cloud APIs and ElevenLabs across 300+ simulations. [MonkeyBot Demo](#)
 - **Simulation Learning Platform:** Designed a platform with over 300+ interactive simulations aligned with the Indian Science Curriculum, featuring student and admin dashboards for progress tracking and management. Scaled to handle increased user load using PostgreSQL. [Platform Demo](#)
 - **Realtime Simulation Streaming:** Built a system to stream simulations to audiences, enabling use cases like online classroom streaming with optional audio, video, and text features. Leveraged WebRTC and Node.js for low-latency delivery.
 - **Payment Gateways:** Integrated Stripe, PhonePe, and Razorpay for seamless subscription and payment processing, enhancing user onboarding and revenue streams.
 - **Nimbus Platform:** Developed the Nimbus platform to enable integration of Monkey Science products with third-party LMS and educational software, using API-based authentication (access and secret keys).
 - **Nimbus Sandbox:** Created a secure sandbox environment using Next.js, allowing users to test Monkey Science integration with their software using API-based authentication (access and secret keys). Authored comprehensive documentation to streamline developer onboarding, reducing integration time by 50%.
 - **SEO and Growth:** Optimized platform SEO, increasing organic traffic by 40% through keyword strategies and performance enhancements.
- **Internship** Germany (Remote)
Full Stack Developer *March 2023 - September 2023*
 - **Seat Reservation Application:** Developed a seat reservation system for restaurants using React, Express.js, and MongoDB. Implemented PostMark for confirmation emails and Twilio for SMS reminders, ensuring a seamless user experience. [Demo](#)

PROJECTS

- **AI Tutor Platform (Monkey Science):** A dynamic AI-powered personal tutor, delivering personalized, real-time learning support that mirrors a human tutor, enhancing student engagement and mastery. Utilized Realtime Gemini Live API, Next.js, Django, and PostgreSQL. Improved student retention by 25%. (January 2025 - Present) [Demo](#)
- **Monkey Bot (Monkey Science):** Developed a conversational messaging system with Retrieval-Augmented Generation (RAG) for accurate responses, integrated with Google Cloud APIs and Realtime Gemini Live API. Designed for future teacher/student interaction. (September 2024 - Present) [Demo](#)
- **Simulation Learning Platform (Monkey Science):** Developed a platform with 300+ interactive simulations, including student/admin dashboards and payment integrations (Stripe, PhonePe, Razorpay). Scaled to 50+ institutions. (September 2023 - Present) [Demo](#)
- **Nimbus Integration and Streaming (Monkey Science):** Built Nimbus platform for third-party LMS integration and real-time simulation streaming. Enabled online classroom use cases with audio/video/text features. (November 2024 - Present) [Demo](#)
- **Nimbus Sandbox (Monkey Science):** Created a sandbox for users to test Monkey Science integration with their software using API-based authentication (access and secret keys). Authored documentation, reducing onboarding time by 50%. (November 2024 - Present) [Demo](#)